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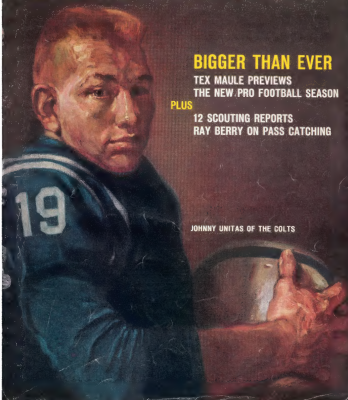
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BOLEX

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Cover: Johnny Carter ▶

This adroit young man is the most valuable player in football today. He quarterbacked the World Champion Baltimore Colts. A preview of the pro season begins on page 36.

Featuring by Sheldon Field

Next week



▶ **SPORTS ILLUSTRATED** grows a new dark season with a report in words and color on a great flyway, some late data on the battle of big lewis and tips on new equipment.

▶ Ray Terrell and the baseball staff bring you a comprehensive gallery—game reports, in words and photographs, of the big players and historic moments of the World Series.

▶ Ever play Sam Snead? Richard B. Johnson shows you how to play him—and maybe beat him—with the help of a TV set, a bottle and a total recall of your best golf shots.

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ILLUSTRATED



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He loves me...
he loves
my Mommy's
Arpege!



LANVIN
PARIS

MEMO from the publisher

NEXT WEEK the waterfowl season opens on the heavily trafficked Pacific flyway, to be followed by openings on the Central, Mississippi and Atlantic. This year there will be more hunters across the country than ever—and fewer ducks than usual because of a natural but unwelcome chain of events in Canada's great breeding grounds in the prairie provinces: a long drought, an unprecedented reverse migration and a late hatch.

At one time this year the ducks were threatened with a decrease in population estimated by some experts as high as 75%. On behalf of the ducks, bag limits and shooting seasons have been severely cut. On behalf of the duck hunters, some of whom seem to be taking things harder than the ducks themselves, SPORTS ILLUSTRATED next week presents a report which should give a clear idea of what is going on and why.

As a start, color photographs by Toni Frissell illustrate an article which describes the quacking, whirling situation in a comparatively small area north of Marysville, Calif., known as "District 10," where some years ago farsighted rice farmers discovered that southbound migrations, frustrated by the encroachments of modern pipeline and ditch irrigation, took to the rice paddies like, well, a duck takes to water. The happy hunters of these ponds now enjoy



what may be the best shooting in the entire country.

As for the shooting that most of the rest of the country may expect this year, Richard Alden Knight's survey sets forth the prospects a hunter has of getting a duck, what kind of duck he's apt to get and the quantity he'll be allowed to keep. This opens up the embattled question of bag limits. In years like 1958, when nature has not done her best by our fine-feathered friends, man must compensate. At its simplest, the compensation is to hold fire. But that is not really so simple, and for the hunter who has been holding it for almost a year it is anything but sweet—and he says so.

This season, however, the hunter does have compensations of another sort. Virginia Kraft details them in a pound-by-pound comparison of what the well-acquainted hunter carries today alongside his laden counterpart of only 10 years ago. For ducks this may be a light year in many places; but for those who seek them it should be the lightest. Let the hunter rejoice as he approaches the image of his quarry—less waterlogged, more nearly airborne.

Arthur Murphy

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Jimmy Jemail's
HOTBOX



THE QUESTION: *Is baseball losing out as the typical American game?*



RICHARD M. NIXON
Vice-President of U.S.

As a spectator sport, baseball is still our typical game. However, as a participant sport, I think there is a danger. The major leagues have a real problem in getting more participation in the game in our schools and amateur leagues.



ED. F. CAVANAGH
*New York City
Fire Commissioner*

As a Giant fan for more than a decade, and prior thereto a Dodge fan for two decades, I regretfully conclude baseball has slipped seriously. But no other sport, no matter how popular, as yet enjoys the universal national appeal of baseball.



GEORGE BRYSON
*Cleveland
Terrorist*

No, I think baseball holds a greater interest than all the other sports combined. Baseball is not only a spectator sport. I'm sure that 90% or more of the boys in this country play or have played baseball. You can't say that for football.

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40 PROOF COGNAC, IMPORTED FROM COGNAC, FRANCE BY HENRI & RUTLEY, N. Y., N. Y. IMPORTERS OF CHAMPAGNE WORLDWIDE

HOTBOX Football



JOE MCGUFF
Kansas City
Sportswriter

Americans have taken up other sports in a big way. Baseball does not have the unique position it once had. People don't go to the games in the numbers they used to because they spend more time participating in such sports as golf and boating.



TOM GALLERY
New York
NBC Director of Sports

It certainly is not. There's a specific reason for my answer. There's a greater demand for baseball on TV from isolated areas all over the country than there ever has been. On weekends baseball is the highest rated of all shows.



HAL ALPERNT
Pittsburgh
Telecaster

Yes, as a participant sport. I think that football is the typical American game. The theft of teamwork in football is typical of American life. There's nothing in sports like the thrill of an 11-man team working as a unit.



MEL ALLEN
New York City
Telecaster

No sir, not as a spectator sport. Just take all the names of all the great athletes in the U.S. from bowling to baseball. Who are the best known? The baseball stars rate 10 to 1, over the stars in any other sport, even football.



AL ABRAMS
Pittsburgh
Sports editor

No. Baseball still holds the biggest fan interest, but college and professional football are close. Baseball has the advantage of a longer season and still can be called the national game. But the shorter football season generates more excitement.

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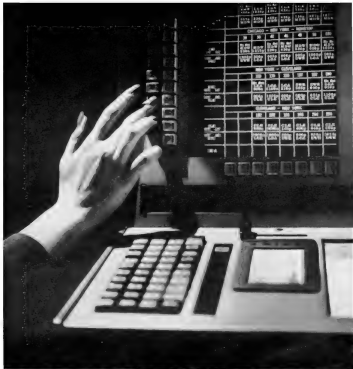


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FOOTBALL'S 2ND WEEK

by NERVIN HYMAN

The only thing consistent about college football is inconsistency. This fact was never more clearly demonstrated than last weekend when Oklahoma, Auburn and SMU, among others, were buried in the debris of upsets, and their conquerors, Northwestern, Tennessee, and Georgia Tech, spiraled into uneasy prominence.

THE MIDWEST

For dear, Oklahoma Coach Bud Wilkinson rattled nervously that his players were in for trouble. For beloved his until Northwestern, whooped up to a



BACK OF THE WEEK: Northwestern's Don Burton, lean-legged and daring, tore up Oklahoma's defense with 62-yard sprint, scored 18-0 and passed 317 yards rushing.

probe punch by Coach Art Patonighian, struck for two first-quarter touchdowns and finally, in second the 30-0 4-11. Quarterback Dick Thornton, picking magnificently through a drenching cloud-burst, and Halfback Ron Burton, who, rattled off purposefully through the Oklahoma defense, did the most damage to the game.

Meanwhile Big Ten members opened off a quick note. Ohio State, breaking with Coach Woody Hayes' long-gone tradition to unveil flashes of the wing T, powered to a 23-yard pass from Quarterback Tom Mattson to End Charlie Bryant and Dave Kilgus's placement to overtime Duke 14-13 in the final minutes.

Wisconsin, currently fighting to avoid to be ranked the middle, rolled to a 14-point lead early in the second half. But Stanford's Dick Norman began toiling the ball and Wisconsin just managed to struggle off with a 16-14 win.

Indiana was its Big Ten opener from football Illinois 20-0; Missouri Quarterback Bob Hays passed over from the one-yard line with two seconds to play to beat Michigan 20-15; Quarterback Charlie Mitchell led Texas A&M to a

5-7 upset of Michigan State Nebraska, trounced Minnesota 32-12.

Coach Joe Kuharick, an old pro with an eye for perfection, exploded South Carolina's weakness to the outside for a 28-9 victory in his debut at Navy Base. Sub Quarterback Don White and Fullback Jim Crotty, who scored two touchdowns, led the Irish. The top three:

- 1. NORTHWESTERN (2-0)
- 2. IOWA (2-0)
- 3. WISCONSIN (1-0)

THE SOUTH

Auburn's Tigerlike Tennessees were turned into thornier cats by a starting, game-winning burst of Tennessee forwards, and by once the Tigers 6 and themselves beaten, 2-0. The enthusiastic Vols never let Auburn get past the Tennessee's second line and mounted the day's biggest offense in the second quarter when Fullback Billy Majors led them with a rushing distance of a field goal, promptly delivered from the 20-yard line by End Cotton Letner.

It takes a Texan to beat one, and Georgia Tech fortunately had a guest star handy when it came time to face with SMU and Don Moncrief. Fred Hirschman, a freshed quarterback from Corpus Christi, completed seven of 11 passes for two touchdowns in a 16-12 upset victory. Moncrief, who threw two rushing passes, had only the highest praise for Bradenton: "He played for a Texan."

LAST OF THE head on and sent the Horned Frogs keeping back home with a 10-0 debut. The Bengals put together Stephen Womack's 29-yard field goal and Warren Rabb's 45-yard pass to

2ND WEEK LEADERS

ALL-AMERICA

SCORING	TOUCHDOWNS
Don Burton, N. W. State 5 2 0 12	5 2 0 12
Ted Davis, Florida 4 3 0 25	4 3 0 25
Rich Gannon, New Mexico 1 0 0 21	1 0 0 21
Patryk Allen, New Mexico 1 0 0 21	1 0 0 21
Doc Mays, Cornell 1 0 0 21	1 0 0 21
RUSHING	YDS. AVG.
Patryk Allen, New Mexico 12 250 20.8	12 250 20.8
Tom Mattson, Iowa State 7 225 32.1	7 225 32.1
Johnathan, Arizona State 8 224 28.0	8 224 28.0
PASSING	YDS. PER ATT. TD.
Dick Norman, Stanford 10 28 325 191 3	10 28 325 191 3
Charlie Johnson	
New Mexico State 17 23 311 278 6	17 23 311 278 6
Patryk Allen, Missouri 10 21 189 29.8 1	10 21 189 29.8 1
TOTAL OFFENSE	YDS. PER ATT. TD.
Dick Norman, Stanford 358 6 330	358 6 330
Patryk Allen, New Mexico 338 6 330	338 6 330
David Nichols, Iowa State 196 130 32.4	196 130 32.4
TOTAL TEAM OFFENSE, PLAYS YDS. YDS. PER ATT. TD.	
St. Louis 70 503 71.9	70 503 71.9
Syracuse 96 192 1.9	96 192 1.9
Iowa 86 155 1.8	86 155 1.8
TOTAL TEAM DEFENSE, PLAYS YDS. YDS. PER ATT. TD.	
Syracuse 39 62 1.6	39 62 1.6
Pennsylvania 50 117 2.3	50 117 2.3
USC 111 226 2.0	111 226 2.0

Johnny Robinson for all their points in the second period, then fought off the ragged visitors with some bruising line play.

Mississippi, its stringing yards and contained in the first half by Kentucky's leading ends and alert cornerbacks, finally loosened up the Wildcats when Quarterback Duke Golden began to connect with Jerry Sparks' open ground and returned the Missouri 10-0.

In other games, Miami's little Percy Cuel pitched the Hurricanes to a 26-7 win over Tulane; Tennessee's Christian clattered Virginia 47-0. The top three:

- 1. IOWA (2-0)
- 2. NORTHWESTERN (2-0)
- 3. OKLAHOMA (2-0)

THE EAST

There was a time when Army teams thought the process something that one never made as girls who were plumed, but Duke Hall, the new, young and able Carter



LINEMAN OF THE WEEK: Bill Carpenter, Army's lonely but busy end, scored nine passes for 141 yards and two TDs, kept defensive pressure on the B.C. players.

work, was other than: Expanding the duties of the Lonely End to make him an ever-ready running back, Bill had a wide thinking the ball from beginning to end as Army beat Boston College 27-10. Joe Caldwell, an up-and-coming quarterback, threw four touchdown passes to lead End Bill Carpenter, who, and Halfbacks Bob Anderson and Steve Wadsworth, who, finished Tom Haines and Pete King's game in the final minutes. When it was all over the Cardinals had completed 28 of 34 for 314 yards.

New Hampshire's opposing new medium and toward visiting brass to a 5-0 offensive show, while working over Wake Forest and Mary 29-2. Halfback Joe Haines scored 23 yards for the Middle's first touchdown and Fullback Joe Mattheis scored two, one on a 50-yard sprint.

Penn State's Brian, known for his other good afternoon, completing eight of 11 passes for 119 yards and two touchdowns. The Nittany Lion beat VMI 21-0. Syracuse trailing 7-6 at half time, came back to throw 20-21.

The football began to feel the pressure, but as freshmen Darmouth and Princeton found them flabby, Holy



NEW FACES OF THE WEEK: Back George Fleming left, Washington's wonder boy, ran 25 and 42 yards, kicked 34-yard field goal against Idaho; Tennessee Red Cotton Letter won Volunteer immortality by beating Auburn with 26-yard field goal.

Cross caught the Indians without Quarterback Bill Gandy and knocked them looping 21-5 while **Rangers** scored first and held on grimly to edge the **Tigers** 8-6.

Columbia's Buff Donelli, sorry of being the Ivy League door mat, outfitted his Lions with a new device called the "middle huddle," and they used it to beat **Brown** 21-6. Meanwhile, Yale downed Connecticut 34-0; Harvard outscored Massachusetts 35-22; improved Pennsylvanians defeated Lafayette 26-8. The top three:

1. ARMY (1-0)
2. PENN STATE (1-0)
3. NAVY (1-0)

THE SOUTHWEST

While SMU and TCU were getting out down to size in the south, Texas got off to a flying start on Jack Collins' 96-yard touchdown dash and turned Maryland mistakes into a 26-0 victory.

Texas Tech finally got its multiple passing pattern working and outbroke Oregon State 15-14 in the last minute. The top three:

1. TEXAS (2-0)
2. OSU (1-1)
3. TEXAS TECH (2-0)

THE WEST

ESU, perhaps the mightiest Trojans since the days of the late Howard Jones, had Pitt reeling before the end of the first quarter and motion to win 22-14 against a costly injury to Quarterback Wilfred. Hattened and bruised by thorough McKeever team, Martin and Mito, the Panther line folded and Quarterback Ivan Toney came close to being the first football player to be trampled to death. Quipped Pitt Coach John Micheloni: "Either USC has the best defensive line in the country or our line should be used for non-support."

Unleashing a typical Ecusherald offense to go with its ground-tight defense, how gave California another dose of New Bond medicine and shutout the Bears 42-12. In other games, the Air Force shut down Wyoming 29-7; Oregon beat Utah 21-6; Baylor's Ronnie Ball dashed Colorado 18-7. The top three:

1. OSU (1-1)
2. AIR FORCE (2-0)
3. OREGON (2-0)

RED GRANGE PREDICTS

Dartmouth vs. Pennsylvania

The Indians must be better than their shoring line to beat Criss would indicate. Penn is improved but the choice is **DARTMOUTH**.

Pitt vs. UCLA

Pitt's pass protection isn't Pitt clearly against Southern California, and the Panthers will find UCLA's defenders just as tough to contain. It looks like a win for **UCLA**.

Army vs. Illinois

The Illini are overmatched in this one. Joe Caldwell's great passing and Bob Anderson's running will make it easy for **ARMY**.

Iowa vs. Northwestern

A tough one to pick. Northwestern was up for Oklahoma, and the Wildcats can't afford any lead-ins against that smart-looking Iowa attack. In a close game, **IOWA**.

Oklahoma vs. Colorado

Court Red Wilkins can't necessarily start get thumped and, when they do, they get mad. Look for the Sooners to come bouncing back against Colorado. **OKLAHOMA**.

Purdue vs. Notre Dame

The Irish, even without Red Mark Givage left, looked good against North Carolina. But Purdue's rough-tough defense will be harder to crack. A vote for **PURDUE**.

Louisiana State vs. Baylor

After this one, LSU will just about own the Southeast. Confirmed Billy Cannon and his three-deep Bengal teammates make Baylor their third SEC victim. **LSU**.

Georgia Tech vs. Clemson

Tech wins the close ones, but Clemson's ground power and stifling defense will be more than the Engineers can handle. **CLEMSON**.

Southern Methodist vs. Navy

SMU's loss to Georgia Tech proved that the Mustangs need more than Dan McShane's great passing to win. Navy has a fine game in Joe Tranchesi and explosive runners in Joe Bellino and Joe Matallanga. A tossup, but I'll take **NAVY**.

Texas vs. California

This is the NBC-TV game, so I won't pick it. California showed defensive weaknesses against Iowa, and Texas, with its wide-open offense, will try to exploit these deficiencies.

Southern California vs. Ohio St.

Woody Hayes has jettied up the Ohio State attack with the wing T, but the Trojan line will be more than a match for the big Buckeye forwards. A real ball game, with the nod to **USC**.

LAST WEEK'S PREDICTIONS:
2 RIGHT, 3 WRONG
NEEDED TO GAIN 13-41



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good
driving
starts
here.



More
often,
it
starts
here.



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A SLIGHT CASE OF MURDER

Shaken by a startling food-poisoning affair, Oklahoma's proud Sooners went down to the worst defeat of Bud Wilkinson's career before a dazzling, opportunistic Northwestern team

by KENNETH RUDEEN

IT STARTED AS A SLIGHT CASE of poisoning and ended as a slight case of murder. In both respects the decline and fall of the Oklahoma football team last week was more than somewhat mysterious. Headlines across the country screamed the news that 12 Oklahoma players fell violently ill from food poisoning Thursday night, but none was prepared to say exactly how it happened. Millions of people, watching television, saw Northwestern's star and finally crush the Sooner team 45-13, and probably found it difficult to believe their eyes.

Nowhere could the shock have been greater than in the state of Oklahoma, where pride in the university's football is boundless and admiration for Coach Charles Beahm Bud Wilkinson verges upon worship. After all, Oklahoma had won three national championships, six of seven bowl games and its conference title 11 times in the dozen years of Bud Wilkinson's

regime (lying for the other). This was the juggernaut, the irresistible force, the Big Red Team.

A reporter, looking into the state of the love affair between Oklahoma and Oklahoma football last week, found not the slightest evidence of disaffection. From the state's senior Senator right down to the newest freshman on the campus at Norman, the old, prided tale was as vigorous as ever.

The chuckle of the week had to do with an 8-year-old who ran importantly to his mother after school and told her his friend Billy would surely flunk. "Whatever for?" his mother asked.

"He doesn't know who Bud Wilkinson is," the lad gravely replied.

Geologist Harry Berry, of Tulsa, an Oklahoma football star of the 1920s, elaborated on that theme: "The history of Oklahoma is measured in three stages—Will Rogers, Bud Wilkinson and the repeal of Prohibition. We have a lot of average players at Oklahoma, but when they put on that uniform and start to

play for Bud they become supermen."

Far from being appeased, Oklahoma's zest for football glory was still keen, said Senator Robert S. Kerr.

"It is a feeling that generates intensity rather than indifference," he said. "Pride and gratification in the thought increases every year."

It was with the devotion of his state and as the repository of its enormous trust, then, that Bud Wilkinson dined with his players Wednesday evening into a lowering, lightning-flecked sky toward Oklahoma's first game of the season and the school's first encounter with a Big Ten team since it defeated Northwestern 26 years ago.

Next afternoon the team worked out, and that evening 38 of the 40 players traveled together from their hotel near the Northwestern campus at Evanston to Chicago's plush Chex Pavee nightclub for dinner and the early show. This was to be routine pregame relaxation; negotiations for space and a training table meal were begun more than three months ago by the Oklahoma athletic business manager, Ken Farris. Wilkinson was going to dine with friends. The team's five fullbacks, Preston Gault, and the No. 1 left end, Edward (Wahoo) McDaniel, stayed at the hotel to get extra sack time.

Oklahoma fans went to bed that night with no portent of catastrophe. If some were especially anxious that the team do well on Saturday, in view of the perennial out-of-state digs that Oklahoma feared to play Big Ten teams, others unobtrusively fell to sleep musing on small, pleasant bits of football gossip, for example the fact that Center Jim (Double Dip) Davis had kicked the ice cream bucket and had reported weighing a trim 210.

The team arrived at the Chex Pavee about 7:15 and began eating the meal ordered in advance by Farris: fruit cup, tossed salad, mashed potatoes, steak, rolls and butter, ice cream.

"To tell the truth," Farris said, "I can't tell you when the first ill effects were felt. Ward would come to me

COLOR OF THE WEEK: NORTHWESTERN RUNS WILD

The Wildcats' ballgame quarterback, Dick Thompson, 10, leading his team to the most stunning upset of the new season, a 45-13 victory over Oklahoma, keeps the ball here and drives for a big gain. Behind

him the powerful Sooner fullback Preston Gault makes a fabulous leap in an attempt to bring him down. It was unusual, as were most Oklahoma efforts in Northwestern's Hyde Stadium Saturday.

Illustration by Alex Rodwin

Continued

FOOTBALL MURDER continued

that we and so was not feeling well. I know that Paul Benien, one of our ends, got sick about the time the steak was placed in front of him. Some of the boys went outside to get some fresh air.

"Pretty soon it was obvious that they were clamored sick. We got two cabs and put six boys into the first one—ten, seven, another ten, jumped in and like into the other, five of these boys wasn't sick. The rest of the players decided to stay, and see the show featuring Vocalist Patrice Wymani. After a while the first cab driver called and said he'd taken his load to a hospital. He had stopped six times on the way to let them get out and vomit. The other cab went to the hotel. The first cab came back, and by then Jimmy Harris, one of our assistant coaches, and Bill Watts, a tackle, were sick. The cab driver took them to the hospital."

At the hospital the stomachs of Harris and six players were pumped out; they were fed intravenously and kept overnight. These were the starting center, Jim Davis; No. 2 center, Bob Schell; Co-captain and No. 1 left tackle, Gilmer Lennie; Co-captain and No. 1 quarterback, Bobby Boyd; No. 2 quarterback, Bob Page; and Benien, No. 2 right end. No. 3 Right

Tackle Bill Watts and No. 2 Fullback Ronnie Hartline were treated at the hospital and sent to the hotel. No. 1 Halfback Jim Carpenter and Beaver Hobby, No. 3 Left Tackle Max Morris and No. 2 Left Guard Jerry Payne were treated at the hotel.

Oklahoma fans and the rest of the nation woke up to startling headlines: OKLAHOMA PLAYERS HIT BY FOOD POISONING. The day wore on and the mystery remained complete. Apparently a clear-cut case of food poisoning, but which was the tainted dish? Why did some get sick and others not? How had the illness so cunningly struck so many key men?

Investigators for Dr. Herman N. Bursden, president of the Chicago Board of Health, said they found no evidence of taint in samples of the food served the team at the Chez Paree. Dr. Bursden said food poisoning usually takes several hours to cause illness and suggested that food eaten earlier was to blame. The food they had earlier was eaten at the Denington, their Evanston hotel, and there inspectors found no evidence of tainted food, either. The Oklahoma team physician, Dr. Mike Willard, ventured an opinion that it did not necessarily take several hours for food poisoning to cause sickness. Samples from the emptied stomachs would be laboratory tested by the Chicago



GEORGIA TECH ERROR by Fred Murphy (14) produced a 6th touchdown for Frank Jackson (47) of SMU on a pass

health people, but that would take a few days.

Amid the hullabaloo the rival coaches kept calm and supervised Friday workouts at Northwestern's Dyche Stadium, with only Hartline of the stricken Oklahoma 12 on the field. Wilkinson told a platoon of reporters he was as terrified by the affair as the next man but would have the 12 in uniform at game time.

Back at the hotel he talked a little about his undiminished appetite for football. Tall, silver-haired, blue-eyed, he has, at 42, an amazingly boyish smile and, for an idolized public figure, an exceedingly unselfish manner.

"You can't help being impressed," he said, "by the people playing the game. Generally speaking, the athlete is intelligent. He is a gifted person in his field. He is confident that means doing things—and life is good. There are no scars on him. He is unsophisticated; he is unspoiled."

Then, with great relish, he grinned and said, "There are no beatniks in college football."

Glassing at the miniature football figures in formation on a coffee table, Wilkinson went on:

"You have athletes accused of being more pessimistic than they are. There is a very logical reason for this. When you are coaching you are only aware of the things you don't do well. You give very little thought to the things you do do well. A coach is in no position to make a total and honest evaluation of his team until the season is over. Looking at our own team, I don't believe we will be as good as last season. I do think we will be as

CRISP NEBRASKA BLOCK enabled Pat Fischer to break loose for a first down in the third period against Minnesota. It was typical of Cornhuskers' period-upon-on-half play as they outlasted an Gopher monster to wrap up a 42-12 win.





from Tennessee's Don Meredith, Murphy and Mack Houston (55) intramuscled Jackson, but in deflecting the pass, Murphy flung it toward Jackson. As the Yechs skidded, startled out-

of position, Jackson grabbed the ball and loosed a kickable, skidding free from a box tackle by Billy Williams (30). To score, The Engineers made tea every themselves, won 14-12.

strong offensively, but I know we are not as good a defensive football team. This may be doubtful the obvious, but you are just as effective as your defense. You can't use your offense if you can't get the ball."

Over at the stadium, Northwestern's go-go-go coach, Ara Parneghian—Mr. Psychologist of college football (SI, Sept. 23)—wanted to know why all the fuss over the game, food poisoning apart.

"Let's get down to realities," he

said. "You're talking to a coach who has lost 13 ball games in the last two years. We're a school that usually finishes seventh to 10th in the Big Ten."

Northwestern is also a school that exploded great big horns in the Big Ten last year, humiliating Michigan and shutting out Ohio State. And as it was not surprising that Parneghian also said: "I think we have a chance in the game. We'll be a little faster than last year, but I don't think we're

deep. Still, we may surprise a few folks. We did last year, and I see no reason why we shouldn't this year."

Saturday's surprise was a dandy—the stout defense of Wilkinson's career. Taking devastating advantage of Oklahoma's misuses, Northwestern scored twice in the first quarter, when it was dry, twice in the second quarter, when rain fell in torrents, and three more times in the last half, when the field was a mud bath and

rock and so on (p. 7)

TENNESSEE FIELD GOAL, sharply angled by Cotton Farmer, tipped Ashburn (8) and sailed the career-higher-than-ever cotton seedling, dead at 23 yards. The Engineers took

eight for Apple been successful, and might not even have been accepted. Had it not been for the water, as four lost to Jackson, and points for the 30 college football (SI, Sept. 23)





KNURY WILL (20) TOOK OVER AT SHORT, TEAMED WELL WITH AGILE CHARLIE NEAL



WALLY MOON CAME FROM CARDINALS, BATTLED

FROM OBSCURITY TO NEAR

by ROY TERRELL

A YEAR AND A HALF SUNDAY, while the rest of the world displayed absolute indifference, the Los Angeles Dodgers lost a ball game to the Chicago Cubs. The score was 7-4, and a tall, gangling man with a big nose and a long face named Roger Craig was the losing pitcher. This drab and completely uninspired performance earned the Dodgers exactly what they had been chasing all season long: seventh place. They finished 21 games behind the champions Milwaukee Braves.

Last Sunday, while most of a nation watched or listened or waited for the results, the Dodgers played the Cubs again. This time they won. The score was 7-1, and the winning pitcher was a tall, gangling man with a big nose named Roger Craig, only now his long face was split by a grin that seemed to stretch all the way across Chicago's North Side. Craig was happy because this bright and highly inspired performance earned

the Dodgers what they had been chasing all year, but which no one in his right mind really expected them to attain six months or even six weeks ago: the 1959 National League pennant or, at any rate, a tie for it with the Milwaukee Braves.

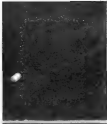
Regardless of what was to happen in the playoff the next few days, the playoff which decided whether the Dodgers or the Braves were to meet the White Sox in the World Series, the Dodgers had come flipping out of near obscurity to accomplish a near miracle. Ball clubs that finish seventh one year are not supposed to finish first the next. In all the National League's 84 years it had never been done before. Yet that is what the Dodgers did.

A lot of people now want to know why.

Well, they didn't do it by frightening the rest of the league to death, because these particular Dodgers do not have very large muscles. Neither do they have dashing speed or sticky defense, those city slicker tactics used

by the White Sox. The Dodgers can run all right and they catch the ball pretty good, but no one is going to write a book about those phases of their baseball skill. The pitching is sharp, but sometimes it comes from the strangest places. What the Dodgers really did to win their share of the pennant was simply to hang in there all season long, try to stay as inconspicuous as possible, and then one day, the most important day, pop up in first place. They were able to do this because first place is where they seemed to want so very much to be.

"We never wore anybody out," said Wally Moon, who is fortunate enough to have been the manager of this ball club. "We didn't win half a dozen easy games all year. We had to scramble and scratch for everything we got. But I've never been around a ball club that could equal this one for spirit. I've never seen another team that wanted so much to win." Actually it is easy now to list the physical reasons for the Dodger ascent. For one thing, they learned



DODGERS WITH HIS FIRE AND MUSTLE



ROGER CRAIG CAME BACK FROM THE INJURY, WON THREE BIG GAMES IN THE STRETCH

MIRACLE

after a year of misery. To accept the monotony of a ball park which they call home, the huge Coliseum, which this week had a hot laugh at its mocking critics when it served as the site of the deciding game of the play-off for the National League pennant. The Dodgers began to live in the Coliseum, with all its bad lights, lumpy infield and lopsided dimensions. In fact, they almost learned to ignore the giant screen which hangs over their shoulders like an evil genie. And the way that they did this was to make believe that the screen was really a good genie who was on their side.

They received a great boost from the splendid performance of two old veterans, Duke Snider and Gil Hodges, who in 1958 because of one thing or another contributed almost nothing at all.

They found a slick kid with a glove named Maury Wills who took over at shortstop and posted the infield back together. Sometimes he even hit. Charlie Neal was a good

young second baseman in 1958; in 1959 he was a year older and at least that much better. Don Williams, counted on to be a valuable utility man, became an invaluable third baseman once the Dodgers decided that this was where he belonged. And Walt Alston was blessed with a batch of outfielders who one way or another always seemed to get the job done: Don Demeter, Ron Fairly, Norm Larker, who also liked to at first base, old Carl Furillo, who can still hit, Rip Repulse, who always could hit, and Wally Moon. Particularly Wally Moon. Considered washed up a year ago by the Cardinals, he was the most consistent player on the team, hitting the ball hard, hitting it often, stealing bases, making plays in the outfield that even Moon himself wasn't sure he could make.

Moon gave the Dodgers the biggest lift of all.

The pitching, which was supposed to be built around Don Drysdale and Johnny Podres, with an assist from young Sandy Koufax, was built

around no one. For a while Drysdale appeared to be the best in the league, but then he tired. Podres, unbeatable one day, was nervous the next. Koufax blew everyone down when he was right; frequently, however, Koufax wasn't right at all. But when these failed the Dodgers found others: a tough, brash, confident rookie with all the stuff in the world named Larry Sherry. And Roger Craig, who came back from two years of leagues to pitch with a wizard's touch. Three times in the last nine days he started; three times he pitched complete games; three times he won.

But these are physical assessments and they really have no place in what happened in the National League this year. Everyone knows that the Braves were a far better club than the Dodgers and so, too, were the Giants; they had more man power all the way.

The trouble is no one told this to the Dodgers. No one told Moon, or Craig, or Hodges, or Snider, or Wills.

AND

ONE MORE MOMENT FOR

DOWN the long new Aqueduct stretch they streaked in a blistering 31.2, 5 final quarter. Hilldale was on the outside, his 8-year-old challenger, Sword Dancer, close on the rail, and the one was as magnificent in defeat as the other was brilliant in victory. The sight of the two of them straining, digging and fighting that last quarter of a mile was a spectacle no one in the crowd of 31,280 will ever forget.

And when Brookmeade Stable's Sword Dancer finally won the millennium-quarter weight-for-age Woodward Stakes by a scant head, the huge throng rose in a roaring tribute to the valiant colt, to jockey Eddie Arcaro, to Trainer Elliott Burch and to Owner Mrs. Isabel Dodge Rogers. They stood in salute, too, to everyone who had contributed to make this heralded race of the year possible. It was an occasion when eastern and western racing met in a spirit of sportsmanship, and although the easterner, Sword Dancer, won, there was an overwhelming feeling that seldom has racing ever experienced a more glorious moment. For this was a real championship.

The story of the Woodward is essentially one of basic tactics and racing generalship. It clearly brings to mind something Arcaro once wrote in three pages. *The Art of Race Riding*, 81, June 17, 1957, strong: "The fastest horse, perfectly true, should win. But his speed alone won't get him the money. His speed—together with his jockey's judgment—can. . . I believe that 80% of the time the outcome of a race depends on the individual thinking on the part of the jockey or the best horse."

The best horse in the Woodward may have been Sword Dancer; or it may have been Hilldale. The difference between Arcaro's ride on the easterner and young Tommy Barrow's on the latter could have spelled the difference between winning or losing.

Everyone figured, and rightly so, that none of the quartet would want to set out a fast pace. "I didn't want

the pace," said Willie Shoemaker, who rode Round Table. "Being out side of Hilldale I figured I'd lay just off him and force him on the lead."

"I didn't much want the lead, either," said Barrow, "but I got stuck with it. I didn't mind too much, though, because we all rode back and were going nice and easy."

"Nice and easy," laughed Arcaro. "We all knew this was going to be a plain gallop for the first three quarters and that the only running would come in the last quarter. When I started doping this race out I told Burch that maybe the way to win was to make a front-running race of it."

"I didn't agree with Eddie on this strategy," added Burch, "and after consulting with my father, Preston, we decided against it. The plan to run on the front end would have been suicide. First one of those other two would have made a run at us, then the other, and by the time we turned for home we'd have had nothing left."

THE FINAL STRATEGY

"What Elliott also told me—and thank goodness he did—" interrupted Arcaro, "was that if you take back on him nice and gentlelike, Sword Dancer will rate real good. If you can rate him back in the third slot, Burch told me, Hilldale and Round Table can have a race of their own up front, and your horse, who has one real powerful run in him, will be fresh when you reach the stretch."

Hilldale, with Round Table at his flank, galloped leisurely off after the start, while Arcaro dropped in on the rail behind them to save ground. Back of him was Inside Tract, all alone and, for the first six furlongs, the object of considerable sympathy.

But suddenly, as the field neared the quarter pole and the crowd turned its frantic yell into deafening full volume, the race took on a different look. Shoemaker started challenging Hilldale, and at the same moment Arcaro let out a notch on Sword Dancer. He looked to the front of

FLYING ACROSS THE FINISH WITH



THE MASTER

Eddie Arcaro's brilliantly executed ride in last week's \$100,000 Woodward Stakes elevated Sword Dancer to Horse of the Year by WHITNEY TOWER

TEETH CLENCHED, SWORD DANCER DRIVES INSIDE OF HILLSDALE AS ROUND TABLE (FAR LEFT) AND INSIDE TRACT TRAIL.



SPECTACLE

Photographed by John G. Zimmerman

**At the start and at the finish and in those
furlongs between, a horse race becomes a
thing of beauty and harshness all in one**

A Contest of Horses and Men

HORSE RACING is a sport of profound contrasts and warm rituals; a game of bugles and bells; a game where one broken dream steps upon another; a game where "inside" information is sold outside the gates; a game that appeals to society dolls and racket guys all at once, every day. It is conducted at places as different as Belmont and Bay Meadows; Churchill and Charlestown; Delaware and Del Mar; Hialeah and Hawthorne; Santa Anita and Saratoga; Ak-Sar-Ben and the big A. Few know what holds it together or keeps it going. Could it be The Jockey Club or Sleane's Liniment, the Derby or the daily double? But it is really what the camera of John Zimmerman has caught on the next four pages: the metallic springing of the starting gate, the whooping of the riders, the cracking of their whips and the long harsh push to the finish line—a contest between horses and men—that keeps it going. Even the pictures ask a question: Is every foot of the race important or just the last one? There are the oddities of the language; its existential question after the first half of the daily double ("Are you alive?") and the way it muddles its grammar ("Who win the feature?"). Some do not care for the game, but those who do care, care strongly.

SNARL AT THE START

Out of the gate with savage screams of jockeys and metallic clang of starting bell ringing in their ears, Thoroughbreds get under way.





FURY IN THE STRETCH



GRIMNESS AT THE FINISH



EVENTS & DISCOVERIES

The Daring Indictments

THINK STATE of the American Mafia convened in November 1937 at Apalachin, N.Y. State police stumbled on the gathering and revealed thereby the intolerable situation of men who dare to call themselves "the invisible government" assembled in a brazen congress of crime.

One month later Frankie Carbo, the "invisible government" of boxing, called a brazen conference of his own at Miami. It was no coincidence that a member of the Apalachin mob attended. So did some of boxing's top managers. There Carbo laid down the pattern of an elimination tournament which, he ordered, would end with Virgil Akina assuming the welterweight title just vacated by Basie.

A delegation then called on James D. Norris, president of the International Boxing Club, to implement the plan. Jim went along with it and state athletic commissions blandly approved the proposal for a tournament. The Carbo formula was followed to the ultimate letter. Akina did win the welterweight title.

In the elimination tournament he defeated Louis Legout at Madison Square Garden on a night when, by coincidence, D.A. Frank Hogan's men were passing out subpoenas in the crowd to start an action that resulted eventually in Carbo's indictment as an underground manager.

Then, on June 6, 1938, in the tournament finale at St. Louis, Akina briskly knocked out Vince Martinez, also according to plan. That night the St. Louis police intelligence squad picked up Blinky Palermo, a Carbo errand boy, and found him carrying an assortment of sleeping potions, including scopolamine. At the time there was no special reason to believe that Blinky was using the drugs for any

purpose other than, as he put it, to ease his aching back.

Akina was champion. Carbo was happy.

But six months later a dreadful thing happened. Akina was knocked out by Don Jordan, a fellow whose manager was beyond Carbo's control. Just before the fight Carbo, through Blinky, demanded 50% of Jordan. But Promoter Jackie Leonard and

Manager Don Neseeth resisted the demand. They called on Truman K. Gibson Jr., president of National Boxing Enterprises and Jim Norris' good right arm, to protect them.

Gibson, obdily enough, advised them to tell Blinky that they would accede to his demand, the implication being that Gibson thought they could doublecross Carbo with impunity.

continued



"Where is everybody?"

EVENTS & DISCOVERIES

When a dubious Leonard expressed fear of reprisal, Gibson soothed him.

"That stuff," he said, "went out with high-button shoes [SI, June 15]."

So Leonard told Blinky, with broad reservations, not to lead. Nemeth would submit to the extortion. But Leonard didn't submit.

Thereafter Leonard was subjected to threats by Blinky, by Carbo, by Joe Sica, a muscular hoodlum, and by Lou Dragna, a leading figure of the Los Angeles underworld.

And seven night, Jackie Leonard says, he was brutally slugged by two men as he was closing his garage door. Later a fire bomb was tossed into his house. And a man, snarling "steel pigeon," attacked him in a parking lot. The word was out along Skid Row that anyone who beat up Leonard would be finished by \$250.

The California State Athletic Commission started as investigation, then wisely solicited the aid of Captain James Hamilton, head of the Los Angeles police intelligence unit. At the same time a federal grand jury in L.A. was investigating aspects of the Apalachin mob's activities as part of a nationwide federal drive to uncover the Mafia's place in national crime.

Instead of pursuing separate courses, these three agencies—of city, state and federal authority—formed a triple entente. Their cooperation resulted last week in the indictments and arrests of Gibson, Carbo, Pale-

ma, Dragna and Sica on charges of conspiracy to violate the federal anti-racketeering act, interstate communications extortion and conspiracy. Gibson was charged only with conspiracy. It was an "essential part of the conspiracy," the indictment said, that Gibson "would use his power and authority" to persuade Nemeth and Leonard to accede to Carbo's demands for control of Jordan.

With astonishing speed, in a mere matter of hours, FBI agents rounded up the five who were indicted, and thus put boxing's story on Page One. They took Carbo in a room at Johns Hopkins Hospital, Baltimore, where he had gone for a look at his ailing kidneys, and Gibson at a friend's apartment in Chicago. Palema was nabbed in Philadelphia, Dragna and Sica in Los Angeles.

As Captain Hamilton put it, explaining his and the California commission's decision to let the Federal Government handle the job: "We had gone as far as we could locally. The FBI had the facilities to do this much more thoroughly."

That is true and may well be the key to an eventual cleanup, of a substantial and permanent nature, of boxing's dirty business. The Federal Government has the nationwide facilities, and some very apt anti-racketeering laws, at its disposal. District Attorney Hogan, operating within the confines of New York, was able

to nail Carbo only on a series of misdemeanor indictments, and at that Hogan is the only district attorney ever to have bothered Carbo on a boxing rap. Not having state boxing commission, working with the meager investigative resources common to commissions, ever been able to do more than mislead evidence Carbo and the mob temporarily. Most haven't even tried. Many a manager, promoter, fighter and fight have been licensed by boxing commissions with the tall knowledge that they were thereby enriching the hoodlums who have done most to debauch the sport.

There is the added factor that to a great extent the new problems of boxing are a product of the television age. The national ramifications of boxing in this age have discouraged local law enforcement authorities from any effective corrective moves. And television's imperiousness haven't yet produced any measures of their own to keep the books out—if, indeed, they have taken time to think seriously about the subject.

The California commission, the Los Angeles police and the U.S. Attorney General's office have blazed a new and most intelligent trail by the simple device of sharing information and facilities, then allowing the best equipped of the law enforcement agencies to carry the ball.

This formula of cooperation, if followed in other states and cities, could be the most valuable development to arise from the indictments and arrests. It points a way by which authorities may pool resources and information to win an enormous victory over the lawless elements of boxing, all of which have hitherto been shrewdly aware of the statutory, physical and financial handicaps under which individual law enforcement agencies must operate. It is a device by which boxing may be enabled to survive and re-establish itself, both as a sport and a business.

Unnecessary Roughness

LAST WEEK'S arrests of Frankie Carbo, some hoodlum assistants and Truman K. Gibson Jr., president of National Boxing Enterprises, dis-

They Said It

BILL STAD, after surviving a 120-mph hydroplane assault in the President's Cup race on the Potomac: "It's never been done before, I know that. But it isn't the kind of record I'm fond of establishing."

BRATINK in San Francisco predicting the personal chances of a local baseball club: "The Giants are just like us—beat, beat, beat."

JOE GARAGOLA, St. Louis sportsman, on the future of Milwaukee's apologetic Enos Slaughter: "He'll be the first guy to play ball on the moon."

STANLEY F. HORN, Nashville magazine editor and outline owner of Nashville's minor league baseball team: "An aroused Congressman complains that there is too much racketeering in professional baseball (but doesn't specify just how much racketeering he thinks there should be.)"

caused above, were a commendable and expert job on the part of the federal authorities. But the Chicago FBI does seem to have committed an ethical foul against the person of Gibson and perhaps even should be penalized a round.

According to Gibson, the apartment house of a friend he was visiting was surrounded by perhaps a dozen FBI men. Spotlights from their cars played on the house as if "Dillinger was reincarnated." The result was hysterical turmoil among the women and children in the apartment. And when Gibson was taken to the home of a federal judge so that bail might be fixed, he was quite unnecessarily handcuffed.

Next day, Gibson says, U.S. Attorney Robert Taylor sent him a message of apology for the treatment but, of course, photographs of Gibson in handcuffs are still around and will be for a long time.

The crime of conspiracy with which he is charged is a serious one but Gibson is hardly to be ranked with hoodlum murderers like Carlo or treated like one.



"Stop this man before you get paid your father."

First Hike

IT'S BEEN a great baseball season for Albest Kochivar, of Wintham, Mont., a tall, balding, 45-year-old gentleman who has hated the New York Yankees for 27 years. When the Yankees have slumped, Kochivar has rejoiced, and after many a loss year (for him) he has now been

were was a bunch of lucky stiffa."

The lucky stiffa went on to win pennant after pennant, and Kochivar, after studying engineering, went to Montana, prospered, got into real estate in Great Falls, and acquired two ranches. But he continued to hate the Yankees. His feeling was no routine hatred, such as was found among thousands of fans of other clubs in both leagues: it was a grand passion, like something out of opera, growing and swelling with each Yankee triumph, a first hate, as intoxicating in its way as a first love. Every time the Yankees lost, Kochivar wired the manager of the winning team and congratulated him. And early this year he bought space in *The Sporting News* to offer two weeks of Montana elk hunting to members of the team doing the most "to destroy the myth of Yankee invincibility."

As the season wore on and the Yankees skidded, Kochivar was kept busy wiring managers. When the De-

troit Tigers beat the Yankees in a double-header May 3, he wired Jimmie Dykes twice in one day. On May 28 the Tigers took another from New York and dropped them to last place. This year Detroit lost the Yankees 14 times, more than any other team in the league. Kochivar took a poll in Great Falls, was delighted when his sample agreed with him that Detroit had "done most."

So invitations went out to the Tigers' last week to come to Montana and hunt elk. The invitation is for two weeks, and the Tigers can come any time during the season, which runs from October 15 to November 15. Coskie Laragotta, of the Senators, sent word that his pitcher Tex Clevenger wished he could hunt elk too, so Kochivar sent him an invitation, even though Washington beat the Yankees only seven times. A non-resident big-game license in Montana entitles the hunter to one elk, one

(continued)



chuckling merrily day after day at reports of delectable baiting averages, dropped fly balls, strikeouts and all the other difficulties the Yankees have labored under. "I started hating the Yankees back in Detroit in 1912," he explained, "because of their attitude. They struck me as thinking they were too good when all they

EVENTS & DISCOVERIES

deer, one mountain goat and one grizzly or one brown bear. There are plenty of deer right around the ranch, and Koehivar has arranged with rancher friends to take the players into wilder country if they have to go deeper for elk.

You might think that some faint echo of pity or irony would show up in Koehivar's triumph, but no. He still chuckles joyously at word of Yankee outcries, and laughs outright as he says, "I'm glad I helped dispel the myth of Yankee invincibility." The only difference is that he has stopped sending telegrams every time a team defeats the Yankees. "The Yanks can win the rest of their games now," he says.

Coriolis Football

THE BALL of football comes from somewhere, it is for the sweeping runs and lofting downfield passes—or the hope of them—that the stands fill up on autumn days. But among the true followers of the game is many a man with an ardent and thoughtful devotion to its microscopic detail. Such is William J. Perkinson of Baltimore; through Sunday afternoons at Baltimore's Memorial Stadium last season he heard fellow Colt fanatics applaud the long passes of Quarterback John Unitas, likening them to guided missiles.

Not a bad simile at all though Perkinson, an assistant managing editor of the Baltimore Evening Sun and a man of scientific bent. As a missile breacher, Unitas may have problems common to all rocket scientists, Perkinson reasoned, including the need to make allowances for Coriolis force.

As any college physics major but few college quarterbacks can explain, Coriolis force, named for the 19th century French mathematician who discovered it, is a measurable effect produced on a moving object by the rotation of the earth. Could this make the same forward pass thrown in one direction go farther than if thrown in the other, and if so how much? Bill Perkinson took his question to an official at the missile-making Martin Company. In due time back came answers which Unitas may want to con-

sider the next time he takes to his launching pad.

Noting that the earth's west-to-east rotation would have little effect on football fields facing north and south, the scientific report concerned itself largely with what happens to a passer's accuracy as he changes throwing direction to such National Football League totems as Washington and Los Angeles, where the fields face east-west.

"In Los Angeles," the report said, "the deviation is 1.7 inches per hundred yards. That is, such a pass thrown eastward there under the same conditions as a pass thrown north or south in Baltimore would travel 1.7 inches farther. One thrown westward would travel 1.7 inches less."

"Here, in Los Angeles a long pass timed for finger-tip reception as a receiver tries to outrun a defending back will be long or short by one-half to three-quarters of an inch compared to the same pass thrown under the same conditions in Baltimore. Compared with Baltimore, Washington, only 40 miles away, would give you a measurable but hardly significant plus or minus deviation for a 40-yard pass."

The conclusion that quarterbacks need range-finding adjustments for Los Angeles and Detroit was passed on to Unitas and Baltimore newspaper readers by Perkinson for what it is worth. Colt quarterbacks may tightly ignore it, he suggests, but he'll be cheering nonetheless. Meanwhile,



Crisis

The wreck ahead
Is new in a task;
He used the storm sheets
To make up his back.

—BARNEY HUTCHINSON

he's busy telling teammates that catch comes out of a new battle more easily if they rotate it counterclockwise while trying to pass. It's the Coriolis force again. You see, liquids flow from—but that's another story.

Tip to a Trend

STADIUMS, as we their want, have been doing some counting these days, this time on what they are sure to call the return of the foot to college football.

What they've found is that the game's wider goal posts—each five feet wider—and freer substitution rules have led to a profusion of field goals soaring through the heavy numbers air. Some of the kicks have been pretty good, too, like the best which won for Tennessee over Auburn last Saturday and those of a University of Maryland rookie named Scotty Scott, who kicked three pin-length field goals of 31, 11 and 18 yards in the West Virginia game.

But what impresses us even more was a rare event at New Orleans the other night. Like you, we have always believed that the drop kick went out, and forever, roughly with Prohibition; it is just too hard to drop the madder cannon ball on its crooked nose.

So what happens? Bobby Joe Green, a Florida halfback, brings back 50 years of football memories by beautifully drop-kicking an extra point against Tulane. The drop kick was no accident either. Tulane had been warned by scouts that Green could be expected to try it.

Charles Lynn (Pappy) Walcott, former Northwestern and California coach and now head scout for the San Francisco 49ers, who have already drafted Green: "I thought I was being warned back to another time stage. That's the first drop kick I've seen in—must be 30 years—and I can't even remember anything about the last one."

All of which brings to mind a prophecy of the late Herman Hickman, who wrote (84, Jan. 25, 1938): "Forthwith as it may seem, I look for a return of the drop kick." These days that doesn't look so forthwithed after all.

300

BE REALLY REFRESHED....PAUSE FOR COKE!



Your names... or the favorite when you choose Coca-Cola. Coca-Cola has the cheerful lift that's bright and lively, the cold crisp taste that so deeply satisfies. Anytime... anywhere... pause for Coca-Cola.



for THE PAUSE THAT REFRESHES

Man with a world to conquer...
succeeds in a Dobbs

When the C_{60} molecule is cut along a C_2 axis, the resulting C_{60} fragment is a bowl-shaped structure. No other fragment connects the two hemispherical units like a "lid" does.

[illegible]

For $\alpha, \beta \in \mathbb{N}$, let $\mu_{\alpha, \beta} = \mu_{\alpha, \beta}^{\text{reg}} + \mu_{\alpha, \beta}^{\text{sing}}$. Then



These data were collected from the **Psychological Center** (www.psychcenter.org) through the **Psychological Center** (www.psychcenter.org).



Splendid! Dakota Open Valley provides
unobstructed views of the rugged mountains and
valleys of the Dakota region.



WHO IS HEAD MAN HERE?

FRANK LANE, general manager of the Cleveland Indians and the world's champion producer of adrenalin, has heedlessly let many a sun go down on his anger. But in all of his headline-courting career his inverted sense of logic and propriety was never so starkly revealed as it was last week when one day's sun set on the picture of Lane coyly patting the head of Joe Gordon, the Indian field manager. What made it so bizarre was the fact that, just 15 hours before, Lane had fired Gordon and sent him packing. Now, as he was telling the flabbergasted reporters assembled for a special press conference, he was rehiring Gordon with a two-year contract and a \$10,000 raise tacked onto his \$30,000 salary.

Incredible as it all was, it was little more unbelievable than other Lane exhibitions this baseball season. Lane, who fancies himself hard to beat at historic invective, sighted down his nose at Gordon in early summer. Even though Gordon had the Indians in first place in the American League, Lane said in June he was not sure Gordon could even manage a semi-pro team. "I've got to apologize to Bobby Bragan," Lane said on the same high-handed occasion. "When I fired him last year I told him he was the worst manager in baseball. Now I've got to tell him he's only the second worst." Gordon, more evenly disposed than his boss, kept working while Lane kept talking. Said Lane after Gordon called for a hit instead of a bat in a recent Boston game: "A sixth grader who played as much as a third of an inning of Little League ball would have known enough to hunt in that situation." Lane got headlines while Gordon got fed up, and a few days later he turned in his resignation. Lane, like Jago sending Othello a get-well card, wired him:



BEHIND JOE GORDON, FRANK LANE LAYS A BENEFICENT HAND ON MANAGER

"Undoubtedly you will be located elsewhere in baseball . . . and I wish to extend my personal good wishes for success to you."

But Lane, whose specialty is the second guess, now found himself on the other end. The Cleveland press roasted him while lauding Gordon with praise. At last week's Indians-White Sox game, a crowd of 55,000 booed him while acclaiming Gordon a standing ovation. Obviously rattled, Lane snapped back and fired Gordon outright. Then he went home and tried to sleep. But he surely tossed:

the bones of Cleveland were a vivid recollection and no mere nightmare.

Lane said later he came to realize in the thoughtfulness of the night that the "best man to succeed Joe Gordon is Joe Gordon" and thereupon decided to hire him back, with interest. And he wanted it to appear to all around that he was still the man who held Joe Gordon's head in his hand. The probable truth is that Lane, during the restless hours of the night, came more to realize that it was his own head he was looking and he had better act accordingly. **END**

BUT LANE APPROACHES, MISGORGONIZED IN RETOUCH, BROUGHT WARRING BOGS





Peking's sports fans, 80,000 strong and looking much like a world series crowd, flock into city's new stadium on

geometric marching preoccupies crowd in Chinese version of half-time display: parking space for private cars is





THE FIRST DAY OF COMMUNIST GAMES

STILL NO GREAT PROBLEM IN CHINA



TIGER IN TWO LANGUAGES ON BRIEF FRONTS REVEALS ORIGIN OF THESE TWO GIRLS

CHINESE INCUBATOR

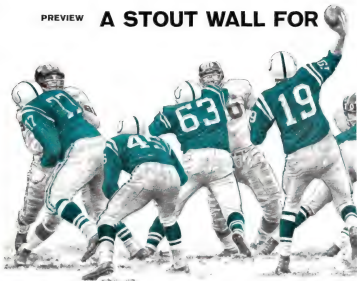
BELIEVE IT or not, runs the official word from Peking, Red China's athletes during the past eight months alone have broken 11 world records in international sport. Whether this statement checks with the facts as they might have been recorded on Western stop watches will probably never be known, but one fact is clear as these pictures plainly show: if the records were not broken it was not from any lack of official encourage-

ment by the Red regime's highways.

Rushed into completion in less than a year to celebrate the 10th anniversary of the People's Republic, this huge, 80,000-seat Workers' Stadium in Peking, shown here jammed with spectators on the opening day of this month's First National Games, is only one of more than 2,500 new stadiums and 4,000 new sports centers through which China's Reds hope to inhale tomorrow's world rulers.



NO. 1 COMMUNIST Mao Tse-tung, flanked by Henkman Chao K'iao (in foreground) and Liu Shao-chi, lend all-important series of official approval to competing athletes.



HERE, SHOWN just before the ball takes flight from the accurate arm of football's most valuable player, is the key to the success of the Baltimore Colts. Johnny Unitas—19—has found a receiver open in the defensive secondary and, throwing unburdened, he

by **TEX MAULE**

THE skinny, slightly stooped quarterback stood almost casually in a small open space. Around him the thump and clatter of big men in violent action disturbed him not at all. He looked to his right, feinted, then turned to his left and passed. On the goal line, the end reached easily for the ball and stepped over for the touchdown. Johnny Unitas had thrown a touchdown in his 25th consecutive league game. Ray Berry had caught it and the Baltimore Colts had gone ahead to stay in their 1959 opener against the Detroit Lions.

It is safe to say that the 55,588 fans in Memorial Stadium all saw Unitas throw and Berry catch the

pass. It is doubtful that more than a handful watched the dogged, persistent blocking which gave the play time to develop. It is superb protection which makes Unitas the finest quarterback in the league; plus, of course, his own ability to pinpoint passes, long or short, and to discover and exploit the flaws in a defense. These qualities make him the most valuable—and the most expensive—single player in the league.

There were no empty seats at Baltimore's Memorial Stadium. The night before, in a city bemused by the surge of the Los Angeles Dodgers, the Los Angeles Rams drew 71,297 fans for their opening game with the New York Giants—which they lost 23-21. Over 300,000 season tickets

have been sold by the 12 pro clubs this year, already insuring a profitable season for some of them. The mushrooming success of pro football, built solidly on a sensible TV program, wise distribution of talent and intelligent promotion, has encouraged a group of optimistic people, headed by Lamar Hunt of Dallas, to plan another league.

Hunt is the son of H. L. Hunt, who is one of three richest men in America. He presumably has unlimited capital to invest; for his information and the information of the backers in the six cities so far listed as franchise holders, he will need it. It costs roughly \$1.5 million to operate a pro team for a year. Some of the items Mr. Hunt and his associates

JOHNNY

As pro football begins its biggest year, the Baltimore Colts depend on icy, daring Johnny Unitas to keep their title. Surging attendance breeds a new league, but its future is rocky



is launching the guided missile which must defeat 1600 angry Baltimore opponents last season. He's unbeaten because he

remains active Colts offensive line, fanatically dedicated to protecting him, has not allowed a single defender to seep through.

may have underestimated: \$25,000 for telephone charges, \$50,000 for insurance, \$100,000 for team travel, \$75,000 for scouting for player personnel, \$900,000 plus for player payroll, \$100,000 for coaches, equipment, managers, trainers. Laundry and cleaning is a paltry \$5,000, but the 36 players on a pro team manage to stow away \$40,000 worth of fodder during a season. The clubs in the new league will need an average of 35,000 fans—paid—per game to break even.

The experience of the All-America Conference, which began in 1945 and died after the 1949 season, should be a chilling example for Hunt et al. The AAC had the advantage of two and a half years' planning in which to draft name players who were in serv-

ice and to acquire good franchises, untested, in San Francisco, Buffalo and Baltimore. They had owners—Dan Topping, Branch Rickey, Ben Lindheimer—who were familiar with sports promotion, and they were competing with a National Football League not nearly so solidly entrenched as it is today. What happened? The All-America Conference owners lost \$11.5 million.

The pro season opened to the pleasant sound of whirling turntables. In San Francisco 41,697 people watched the 49ers defeat the Eagles 24-14. The Green Bay Packers upset the Chicago Bears before a full house in Green Bay; 31,844 saw the Pittsburgh Steelers stake a strong claim for the favorite's role in the East by

beating Cleveland 17-7, and the surprisingly strong Chicago Cardinals ruined Washington 49-21, before 21,892 customers in Chicago.

The figures most significant to Hunt and his associates were the relatively low ones at Chicago and Pittsburgh. Even now, with pro football enjoying the most prosperous season in its 49 years, three or four teams will barely break even.

Pro football is exciting, skillful, crowd-pleasing. It is also very expensive if you don't succeed.

WEST SCOUTING REPORTS, PAGE 39

EAST SCOUTING REPORTS, PAGE 42

BERRY'S PASS-GATHERING SECRETS

ILLUSTRATED BY BOB RIDER, PAGE 49

A◦ Have a Gimlet made with Rose's Lime Juice

Making the Gimlet: 3 or 4 parts gin or vodka to 1 part Rose's Lime Juice. Serve over ice in either an old-fashioned or cocktail glass. You'll find Rose's at food stores, package stores and restaurants.



Q◦ What to do when you suddenly
◦ get tired of the same old gin and
vodka drinks?

EASTERN CONFERENCE

CHICAGO
CARDINALS

COACH: FRANK IRY

1988 RECORD: W 4, L 8, T 1, 108 PPG STD

1988 SCHEDULE: W 4, L 3

PASSING OFFENSE It usually requires three years for a college quarterback to master the complexity of the professional game. King Hill, the big, tough kid from Rice Institute, may improve on that schedule by a year. Quarterback was the sole spot in the Cardinal passing offense last year; Hill still must show he can throw long, but he has the other requisites, plus good protection from an improved line and fine receivers in Bobby Joe Conrad, John David Crow and John Tracey, all Texans.

RUSHING OFFENSE You would think a club which had given up one of football's finest runners in Otis Mason must suffer in its ground attack. But Texas A&M's John Crow may be just as good as Mason running, and he's a better pass receiver. Add two good big fullbacks—Mal Hunsanuel and Larry Hickman—and a shifty converted defense halfback named Bobby Conrad and you have a strong running attack.

PASS DEFENSE In the trade which sent Mason to the Rams, the Cardinals received Frank Fuller, a 224-pound veteran tackle who gives the Cardinal ingredient early lacking last year: the ability to rush a passer. Iry's secondary defense has been shaken up with the addition of Jerry Norton, who came from the Eagles, and it is now solid.

RUSHING DEFENSE Here again Fuller has been a big help to the Cardinals. Iry has culled up a rather porous line; now the defensive unit is a messy blend of rookies, second-year players and a few steady oldsters.

OVER-ALL The Cardinal move to Soldier Field this year is hopes of attracting more fans. Coach Pop Iry, trading astutely and drafting wisely, has provided a team which should be one of the most exciting in the league on offense, running from his unusual double-wing T formation. More important, this year's edition of the Cardinals looks better, much tougher on defense, with a quick, big line plus a set of veteran pass defenders and good linebackers. A young team, only a year or two away at most and improving.



FRANK IRY



JOHN CROW



JOHN TRACEY



BOBBY JOE CONRAD



JOHN CROW

CLEVELAND
BROWNS

(Eastern Conference playoff in New York Giants)

COACH: PAUL BROWN

1988 RECORD: W 11, L 5, TIED FOR 1ST

1988 SCHEDULE: W 5, L 4



PAUL BROWN

PASSING OFFENSE Early in the exhibition season after a loss to Detroit, Coach Paul Brown said: "I could always see signs of hope in the past; now I see none." But things aren't quite so bad as he saw them, though. Milt Pflum is an improving passer, Jim Nance could develop into a fine one. The receivers—Bill Brown, Ray Brumba, Preston Carpenter and Rick Kneeling—could be the fastest group in the NFL.

RUSHING OFFENSE Jim Brown is the best and most versatile runner in football. Bobby Mitchell is a little less powerful and a little more elusive. The offensive line is strong with Tackle Mike McCormack healthy. This is the strongest running team in the East.

PASS DEFENSE One notable move into the veteran Brown defensive secondary—Bernie Parrot of Florida. Likely to play next to rising 26-year-old Warren Lake. This unit, which has been juggled with the departure of Dan Paul, may take a while to settle down. The linebackers, operating behind a very strong quarter of rushers, are all veterans and all very good.

RUSHING DEFENSE Ed Youngblood, a 262-pound tackle who was released by the Philadelphia Eagles last year, has been very useful to the Browns. Youngblood and Willie McCung close the middle well; Bob Gale is one of the league's better defensive ends, but Paul Wiggins, the other end, is still developing. The linebacking of Clark Nell, Vince Costello and Walt Michaels makes the Brown defense against rushing solid.



JIM NANCE



BOBBY MITCHELL



WARREN LAKE



ED YOUNGBLOOD

OVER-ALL Milt Pflum, who's a consistently improving quarterback, may lead the Browns back to the championship they lost by a hair last year. Although Cleveland finished in a tie for the Eastern Conference title, pessimist Paul Brown considers anything less than the league crown a complete failure. A rebuilt defensive unit—only three players are at the same position they played last year—appears to have impressed the Brown pass defense. The Browns' success formula is superb running, plus Pflum and a better defense.

CONTINUED

EASTERN CONFERENCE continued

NEW YORK GIANTS

(Won conference, lost to Colts for title)

COACH: JIM LEE HOWELL
1964 RECORD: W 1, L 5, TIED FOR 3TH
1964 EXPERIENCE: W 3, L 3



JIM LEE HOWELL

PASSING OFFENSE Charlie Conerly, literally a gray-haired old quarterback, is still the key to the Giant passing attack. Coach Jim Lee Howell looked at five quarterbacks and wound up with Conerly as his No. 1 man again. The Giant passing attack is essentially the same this year as for several years past—same passes, same receivers, Brown like massive Rocky Brown for blocking a good, even spectacular air arm.



ALEX WEBSTER

RUSHING OFFENSE The new, improved Giant ground game has the same personnel, with more frequent use of Phil King at fullback. King is a fast 235-pounder and at least as good as Triplett. Frank Gifford, after a ding at quarterback, is back where he belongs at halfback. Alex Webster is still the other halfback. Why quarrel with success?



ROCKY BROWN

PASS DEFENSE The departure of Reden Tunnell for Green Bay leaves a gap in the Giant secondary, but Tom Landry, who handles the Giant defense, has good personnel with which to fill it. The massive rush of the Giant line helps the secondary, and the Giant linebackers are masters of the red dog—rushing from their positions.



SAM HUFF

RUSHING DEFENSE The Giant line is among the stoutest in pro football. Rocky Grier, Dick Modestewski, Andy Robustelli and Jim Katsavage combine 20 years of experience and add up to a little more than 3,000 pounds of mobile muscle. Add a trio of capable linebackers, masterminded by genial, tenacious Sam Huff, and it means, as usual, a magnificent defense.



CHARLES CONERLY

OVER-ALL

The Giants are a stand-pat team. This is no indictment, however, since Howell is standing pat with a good team, which is mature but not old. A rash of late exhibition-game injuries may slow the Giants at the start, but the team is deep enough in formidable players to survive. Howell has a rarity in pro football—a quarterback in the bank. Lee Grosscup, who was out on waivers but not claimed, will sit out the season on the Giant bench and be the wiser and better for it in 1965. But Conerly may go on forever.

PHILADELPHIA EAGLES

COACH: WACK ARW
1964 RECORD: W 3, L 6, T 1, TIED FOR 3TH
1964 EXPERIENCE: W 3, L 4



BUCK SHAW

PASSING OFFENSE Norm Van Brocklin is still the most accomplished passer in pro football. He throws long, short, hard or soft with equal facility. He could use more protection, but he understands quickly that he can get by with what he has. He has fine receivers in Tommy McDonald, Pete Retzlaff, Bobby Walston and lucky Bill Barnes.



BOB PELLEGRIANI

RUSHING OFFENSE Philadelphia has lacked truly aerial runners for the past couple of seasons. Bill Barnes, a tough, bouncy halfback from Wake Forest, can take up some of this slack. Walt Kowalsky, a second-year man, may come into his own at fullback; if so, the Eagles' ground attack can complement Van Brocklin's passing. The up-front blocking needs improvement.



TOMMY McDONALD

PASS DEFENSE The Eagles could use more enthusiastic rushers in the front line. The addition of Tom Carlin and Chuck Weber to go with Bob Pellegriani as linebackers helps. Tom Brockmeier is good, but the deep secondary is not as sound as it should be. This is the spot where the Eagles are vulnerable; luckily the best passers in the NFL are in the other conference.



TOM BROCKMEIER

RUSHING DEFENSE Marion Campbell and Jim Richardson are big, nearly immovable tackles. This is the foundation upon which good ground defenses are built. The Eagle defensive ends are good and the linebackers good enough. Against most ground games they should hold up well; against the kind of running attack the Giants or Browns will mount they could be in some trouble.



NORM VAN BROCKLIN

OVER-ALL

With the most accurate passer in football throwing to very competent receivers, the Eagles will not be at a loss for touchdowns. They need an explosive offense to counteract a defense which last year gave up over 300 points and seems not to have improved much. With good running from Barnes and Kowalsky's, Van Brocklin's passing should be more effective and the burden on the defense eased a bit. Buck Shaw is still building and still a long way from finished, for he badly needs some more talent on defense.

**PITTSBURGH
STEELERS**

收稿日期: 2004-03-10 修回日期: 2004-04-10



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PASSING OFFENSE Bobby Lacey, the handsome Texan, is still one of the best clutch passers in football. He's calm, judicious and inspirational on the field, and he has good targets in Jack McInnes, Jimmy Orr, Duane Brewster, Gern Nagler, Ray Mathews and Tom Tracy. All these, plus a determined, hard-to-break defensive line,



收稿日期: 2004-01-15

BUSINESS OFFENSE In all of his free trading, Busby hasn't been able to remedy the two obvious weaknesses in this club: a fine fullback and good outside speed. Lefty Krohn hasn't been consistent at fullback. Tom Tracy is a wonderful fullback, but he hardly has the speed to mount a defense. There are the defects which may cost the Steelers a championship.



收稿日期: 2003-03-20

PASS DEFENSE A trio of highly-blooded linemen began the play-plus-a youngster in his third season give the Steelers a very solid rank of pass-defenders: Jack Butler, Brian Bertz, and Dick Altan have been around a total of 17 years; Don Bishop fits into this team smoothly. Only a lack of strong pressure on the passer weakens the Steeler pass defense, and the veterans in the line may seek an added responsibility under way.



11月20日 星期三 晴

ROBING DEFENSE The four men who ran the stretch for the Steelers against Kwik-Kwik's Kwik-Kwik and George Tarnowski, great weight and wiles, Tarnowski Joe Krupa and Ray Fisher are light and willing. The backroom: Duke Duffell, Duke Lass and John Regan are undermanned. They'll battle-wisely, big and wide on their feet.



2008年 第1期 总第100期

OVER-ALL Only the lack of a good running game holds back the Steelers. With an over-supply of fine receivers, a good offensive line and coach's most productive quarterback in Bobby Layne, the Steeler offense can move. Unfortunately, the defense can stack to stop the Steeler passing, if necessary. The Steeler defense is very good, for good defense is a Buddy Parlor trademark. This club won six of its last seven games in 1958, and it's ready. Even as old as he is, Layne can handle some of the running duties.

**WASHINGTON
REDSKINS**

1999年 中国工商银行: 95588 95566
1999年 中国建设银行: 95533 95566 95588
1999年 中国农业银行: 95599 95566 95588



关键词: 网络; 教师教育; 教师专业发展

PARENT OFFENSE Very 15 Int 4
Inches, brass Ed-
die 12-Barrett is an exciting quarter-hour
watch for two reasons: he is a electronics
buff/teacher, and he's successful in always
transfer if he'll transfer. He thrives the
down pass very well when he can see over
the behemoth rushing him, but his pass
protection in breaks down much too often.
The Redskins end like Walton and John
Carson are good journeyman pass catch-
ers when, and if, the ball reaches them.



2008 年 12 月 10 日

RUSHING OFFENSE Jim Folsom and John Allen are good fullbacks. Ed Sutton and Jim Folsom are good halfbacks too. But none of them is a game burner, able to go all the way on any play. The Redskins' offense is not equipped to overpower any of the usually good defenses in the East.



2008年12月 第10卷第12期

PASS DEFENSE The Redskins pass defenders last year gave up more yards to the opposition than any other team in the league. To stem this anorexic tide of footfalls, Mike Nixon traded for two veterans this Friday. Linebacker Bob Hudson from the Eagles and Halfback Rickie McIharge from the Steelers. While his new unit is jelling, Nixon may have troubles, but he is sure of improving the Redskins' air defense.



人 員 姓 名 職 務 備 註

RUSHING OFFENSE Tackle-Hulk Tondal leads up the line with John Palark making a good bid to fill All-Pro Gene Brito's shoes at end. The line-backing is easily replaced with Bob Hudson, Paul Karas, Ralph Felton and old pro Chuck Drazosovich available. The Redskins should be harder to move.



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OVER-ALL The Redskins' life improvement has come on the defensive platoon, where Coach Mike Nease filled in the work spots with tried veterans obtained by judicious trading. Toney gave the team good inside rushing against the passer, and Fabek and Chet Oserowski will apply strong pressure from outside. Add to it better linebacking and—when old hands like Reggie McCalister and Doyle Nix recover from early injuries—a cohesive secondary, and the Skins would be in contention if they had the offense.

WESTERN CONFERENCE

BALTIMORE COLTS

(Conference and league champions)

COACH: WEED SWANAM

1966 RECORD: W 8, L 4, T 1

1967 RECORD: W 8, L 4, T 1



WEED SWANN

PASSING OFFENSE With the best passer in football in Johnny Unitas and the best receiver in Raymond Berry, the Colts travel by air whenever necessary and expedient. With Lenzy Moore, Jim Munsell and Jerry Richardson, a rookie, Baltimore can give any defense that's too tough to go through. The Colt offensive line takes pride in providing Unitas with the three or four seconds he needs to get the ball away. If Johnny's health fails, he has an able substitute in Ray Brown, the defensive halfback.



RAY BROWN

RUSHING OFFENSE Alan Ameche is a powerful halfback, big and strong enough to bust up the middle, fast enough to convert a five-yard gain into 35. L. G. Dugas is a good full for Ameche, and Lenzy Moore gives the Colt ground attack breakaway speed. Even so the Colts could never win the league title on their running backs, good as they are. But then who ever could?



ALAN AMECHE

PASS DEFENSE The Colt defense is a year older and a year better. Tackle Big Daddy Lipscomb has learned to slip away from a blocker now and then to put pressure from the middle of the line. That kind of pressure leads to pass interceptions.



BIG DADDY LIPSCOMB

RUSHING DEFENSE Big Tom Joyce and Gino Marchetti at end, Lipscomb and apiece Art Donovan at tackle give the Colts something over half a ton of beef to smother a running offense. Nose has slowed enough to worry about, and the linebackers have been helped by the return of Dick Snyder and the acquisition of Marc Munson.



DICK SNYDER

OVER-ALL Great passing, adequate running and a tough defense against passing or running make the Colts favorites to retain their title. This year the Colts have stiffer competition from the second-division teams and, too, stiffer competition from Los Angeles and the Chicago Bears. The big weakness last year was putting: now Dave Sherer, a rookie from Southern Methodist, bowls the punts out nearly 50 yards. The bench is stronger, too, on both offense and defense. But so is the Colt competition in the Western Conference.

CHICAGO BEARS

COACH: GEORGE HALAS

1966 RECORD: W 8, L 4, T 1

1967 RECORD: W 8, L 4, T 1



GEORGE HALAS

PASSING OFFENSE George Halas, coach of the Chicago Bears, got \$50,000 for Bobby Layne from the New York Bulldogs; since then he has lost no sleep over many championships for lack of a great quarterback. This year should be no exception. Quarterback Ed Brown, Zolt Brulowski and Rudy Baldwin have looked fine yet have never stood up for an entire season. The receivers are there in Harlon Hill, healthy again, Jim Dooley, another cripple fit for war, and a good rookie, Willard Deweyall.



ED BROWN

RUSHING OFFENSE Earl Casper, the hairy Bear fullback, looks faster this year than he has in the last two. Halfback Willie Gaffney is a beautiful runner to watch—elusive, fast and graceful. The Bear running, if you also are operating down by the Bear passing, is as good as any in the league.



EARL CASPER

PASS DEFENSE The Bear defense is played by Clark Shaughnessy, one of the most ingenious coaches in football. His ideas are implemented by a talented and experienced crew on the defensive line and backfield. The Bear defense last year was stronger than the Colts', one of the league's best all-time defensive units. All-Pro Bill George leads the linebackers; the secretary includes J. C. Carlisle, a halfback.



CLARK SHAUGHNESSY

RUSHING DEFENSE The improved Bear offense should be a big help to the hardworked defenders. If your offensive team can't control the ball, the defensive unit spends quite a bit of time working. This was one of the league's two best units. They could be the best, too.



BILL GEORGE

OVER-ALL The only real worry for George Halas is at the quarterback. Between them, Brown, Brulowski and Baldwin may solve that problem. If they do, the Bears will be loaded with running and passing and good on defense. They finished in a tie for second last year, they'll finish a notch higher this year if the quarterback problem is solved. They may, like the Browns, take all the marbles, even with fair quarterbacking, but Halas will, as usual, continue to win. Bobby Layne. All in all, this is a better Bear, maybe good enough.

DETROIT LIONS

COACH: GEORGE WILSON
1955 RECORD: W-L-T, 11-5-1
1956 EXPECTATIONS: W-L-T, 11-5-1



GEORGE WILSON

PASSING OFFENSE The Lions raised their hopes for repeating their 1955 championship very early in 1956. They played the Chicago Bears in Dallas and lost 14 players. With no Bear game during the 1956 preseason skirmishes, the Lions look much better. Tobin Rote is as good a passer as there is in the league, more effective because he is the best running quarterback. Receivers Jim Borna, Jim Gibbons, Steve Junker, Dave McHilton and Douglas Casady are all good. The rebuilt Detroit offensive line gives Rote time to breathe new.



TOBIN ROTE

RUSHING OFFENSE Keys to the Detroit rushing are the new line and a new fullback. Notre Dame's Nick Pietrangola, who looks like a pro natural. The new line opens holes for the Lion backs. That could be the whole difference between a deep second division and a high first-division finish.



NICK PIETRANGOLA

PASS DEFENSE Jack Christiansen is now coaching the 400 deep defenders. But the veteran pass-defense corps, headed by Jim David, is still on hand. Linebackers, headed by Joe Schmidt, are tough, too; the Lion line is capable of putting pressure on any passer.



JACK CHRISTIANSEN

RUSHING DEFENSE Joe Schmidt is a blocky, fair young man built on the lines of a grizzly bear, and one of the best linebackers in pro football. The Detroit defenders in the deep secondary are enthusiastic tacklers. The Detroit line is the most grizzled, big and nearly immovable. Much of Detroit's bad sag was due to line play, but it was offensive line play. The defense is still solid.



JOE SCHMIDT

OVER-ALL Without the truly crippling injuries which hampered this team last season, the Lions might have been among the top three in the West. They're healthy now, and an offensive line which suffered from old age and malnutrition in 1955 is younger and healthier. If the youngsters continue providing holes for the running backs and protection for Tobin Rote, the Lions are on the way—not all the way, but far enough to have a good coach's job. Given time, Wilson will have the Lions back on top very soon.

GREEN BAY PACKERS

COACH: VINCE LOMBARDI
1955 RECORD: W-L-T, 11-5-0
1956 EXPECTATIONS: W-L-T, 11-5-0



VINCE LOMBARDI

PASSING OFFENSE If Vince Lombardi could combine the talents of his three quarterbacks—Bart Starr, Joe Francis and Lamar Mullan—into one man, he would have a quarterback as good as Johnny Unitas. Starr has trouble with the long pass, Francis is a good runner but still unused to the T quarterback role and Mullan lacks leadership. Lombardi, an old hand at juggling quarterbacks, will probably square the most from these three. They have good receivers to throw to; better protection from a revamped offensive line will help.



BART STARR

RUSHING OFFENSE Paul Hornung, after a couple of so-so seasons, looks ready now to play up to his potential. Les Carpenter, acquired from the Browns, adds punch to a backfield which should be more effective without better blocking. The Green Bay quarterbacks can run, too, particularly Francis.



PAUL HORNUNG

PASS DEFENSE Old hand Ernie Tunnell leads a touch of wisdom and a studying influence to a Packer secondary which has been very effective in exhibition games. Lombardi's late trades may have remedied a major weakness—lack of an effective rush from the defensive line, a man in this game.



ERNE TUNNELL

RUSHING DEFENSE Tarleton Horn Beck, from the Cardinals, and Henry Jordan, an ex-Brown, combine with J. D. Kilgus to lead up the Packer running defense. The Packer linebackers, led by Tom Bettis, are veterans. Bill Quinn, a defensive end obtained from Cleveland, is a key in the rebuilt and much stronger Packer defensive line.



TARLETON HORN BECK

OVER-ALL When Vince Lombardi accepted a five-year contract to rebuild the badly depleted Green Bay fortunes, he made it clearly understood that he would run the show. This very quickly disposed of the major reason for the Packer decline—too many cooks. Lombardi, an intelligent, sound coach and an able administrator, has a big rebuilding task, but he has done a remarkable job to date. This is a smarter, quicker and much better Packer team—probably the most improved team in the NFL. They are tough for any club,

CONTINUED

WESTERN CONFERENCE continued

LOS ANGELES RAMS

COACH: BOB STALLMAN
1959 RECORD: W 5, L 6, T 0 FOR 2ND
1959 EXHIBITION: W 3, L 3, T 1



BOB STALLMAN

PASSING OFFENSE Bill Wade has had a tremendous exhibition season. Wade was a bit immature for pro football for a while, and none of the old, bold Rams considered him as a par with their compatriots. Bob Waterfield and Norm Van Brocklin, the now has three of the finest receivers in football to throw to in Del Shannon, Jim Phillips and Joe Bennett, and Ollie Matson, who cost the Rams nine players, is an adequate receiver. If Wade's early foot is indicative of his 1959 performance, the Rams could mount a passing attack second to none.



BILL WADE

RUSHING OFFENSE Matson is one of the finest runners who ever pulled on a pair of cleats. He's 29 now, and the years may have stolen a step or two from him. Arnett is one of the most exciting runners of our time, and in Tom Wilson the Rams have a runner who has been the most previously overlooked man in the business for a couple of years.



OLLIE MATSON

PASS DEFENSE got the last few years' Gilman has traded off the secondary defenders most likely to succeed in view of their experience. This year he retains the entire defensive secondary. The Ram pass defense should improve. The linebackers leave a little to be desired—but not too much.



GENE DAVIS

RUSHING DEFENSE Most players and coaches in the Western Conference agree that Linebacker Les Riekster is overrated. He's helped out by All-Pro End Grege Brits and now the Ram line looks a little better. You can't afford to give away first downs on third and three—even with the Ram offense.



LES RIEKSTER

OVER-ALL With Wade throwing very well and with some of the best running backs in football, the Rams figure to be an impressive offensive machine. But you have to take the ball away from the opposition before you can utilize an offense. The Rams, long lacking an adequate defense, may be better able to cut off the long pass this year, but it's the short pass which piles up the first downs and retains the ball. The Rams can run and throw, but the short pass defense must improve up before they can go all the way.

SAN FRANCISCO 49ERS

COACH: HOWARD HICKLEY
1959 RECORD: W 4, L 6, T 0
1959 EXHIBITION: W 3, L 4



HOWARD HICKLEY

PASSING OFFENSE When Red Hickey played and for the Los Angeles Rams, he never heard a footstep. He said little what happened after he caught the ball. He has mentioned the same disregard for danger in the 49ers receivers. R. C. Owens, Clyde Connor and Billy Wilson are all first-rate receivers, and old, bald Y. A. Tittle carries with the best throwers in the league. He's backed up by John Brodie, and either of them can pass you out of the park if they have time to throw. In other words, pass protection, for the 49ers, is of the essence.



RED HICKLEY

RUSHING OFFENSE Age goes well before beauty in the backfield. Joe Perry is an elderly fullback. Hugh McElhenny has been around a long time. Old so they are they provide the 49ers with a fine one-two combination.



JOE PERRY

PASS DEFENSE Hickey, desperate for someone who can knock down a pass, has two nodules in his secondary and one at linebacker. There's a saying in the league that a rookie defensive halfback costs a touchdown a game. But these rookies—Barke Edgar (Duke) and Dave Baker and Linebacker Bob Harrison—are exceptional.



HUGH McELHENNY

RUSHING DEFENSE Every time the opposing quarterback came out of the huddle last year, he could count on losing about five and a half yards against the 49ers. Hickey has toughened up his defense because he's a hard-nosed, tough coach. The personnel is better because the linebackers are better, but there were too many holes for Red to fill. He did well but not well enough.



JOHN BRODIE

OVER-ALL The 49ers run, and very probably will, more profitably on every team they play. They'll do most of it by air, with Tittle and Brodie throwing to some of the best catches in the league. The laziest defense in the league still holds—not as much as it did, but too much. The secondary defense against passing looked very bad when the 49ers had only one interception in the exhibition games. Hickey is a fine coach, and if he survives this season, the 49ers could be tough in future years with a little help—but not this one.



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PASS CATCHING IS THINKING, STUDY AND WORK

by **RAYMOND BERRY** with **TEX MAULE**

Drawings by Robert Riger

The Baltimore Colts' star end, whom many consider the best pass receiver in football, tells what it takes to succeed in the most exacting football company

WHEN I WAS a skinny kid just out of high school in an east Texas town called Paris, I went to see a movie named *Crosleys* five times. It was about Elroy Hirsch, who played end at the time for the Los Angeles Rams, and I decided then that the thing I wanted to do most in the world was to catch passes for a professional football team the way Hirsch did. I guess I haven't reached that goal completely. I play end for the Baltimore Colts, but I don't catch passes the way Elroy did. I've spent hours a day studying game movies of Hirsch and the other great offensive ends who have played in the league. But there are things you can't do—I should say I can't do—because I don't have the physical equipment necessary. Some of the moves they make I can copy to a T—all the fakes and feints, just the way I see them on the screen—but there are others I can't do at all for a number of reasons. I'm not as fast as some of these guys and not as big or as tall as others, and there's nothing I can do about that. You can't grow and you can't run faster than your physical equipment lets you. All you can do is squeeze the very most out of what you have.

The other thing you can do is study. And practice. When I played college ball for Southern Methodist, I had maybe three or four passes a game thrown toward me, most of the time not that many. You can't learn to use your hands that way. You are born with whatever it takes to have sure hands, but you've got to catch hundreds of passes to learn how to use them. With the Colts we use a screen like a batter's cage at practice so we don't have to waste time chasing the balls we miss. That way you get in lots more catches in the same amount of time. I work on every conceivable kind of catch—high, low, to either side and combinations (low and outside, high and outside, and so on). You have to practice so much that the mechanics of catching the ball—the position of your hands and body and feet—become instinctive so that you can do all your thinking about how to get loose.

I'm lucky in having a quarterback like Johnny Unitas to

CONTINUED



work with, too. Johnny'll stay out there and throw the ball as long as there's someone to catch it. He's an accommodating quarterback in other ways, too. It's important for an end and a quarterback to speak the same language. It's almost like a marriage. You got to make allowances and understand each other and get to where

you know each other so well that you know instinctively what to expect in any situation. That's the way it is with Johnny and his offensive ends. One reason is because he's easy to talk to. Some quarterbacks are real cement heads, but not Johnny. We spend hours talking over the defenses of the team we're going to play each week. When I came up the first year to pro ball, I was pretty confused. When Johnny talked about defenses,

Getting away from the line of scrimmage



I feel I can start from scrimmage quicker if I use a three-point stance. The only variations come in the weight I put on my hand, and that's governed by whether I'm going straight ahead, cutting to the left or right or blocking.



The upright stance is good because you can see the defense better. I usually drop to three points with the set signal; if I do start upright, I use a jab step—dropping the right foot back a little to get extra drive in the first step.

When I came up to pro ball, the working-over I got from the linebackers was a surprise. In college they paid no attention to me. This day right, followed by a complete spin to the left, is one of Billy Wilson's favorite ways to avoid linebackers. The spin helps because the linebacker can't grab you as easily when you spin.



I didn't know what he was saying. So I studied movies of the other teams' defenses all during the off season and I'm still studying them. Now when Johnny and I discuss a defense, I'm on the same page with him. I know what he's talking about.

Of course, that helped me in other ways, too. Now when I come up to the line of scrimmage and look over the defense, I recognize the pattern. I can tell pretty

well if they're rotating to put two men on me, or if they are going to cover me with one man. You hear a lot about studying one defensive halfback or a linebacker to find out his habits and how you can beat him, but that never worked for me. I mean you can't depend on a guy like, say, Jim David, of Detroit, coming up fast all the time. Sure, he likes to. But when you start counting on him doing it, he lays back. So I play it by ear

continued



On the left is a rear view of a standard defense setup by the white jerseys. I am in a dark jersey (32), on the line of scrimmage. In this one, the linebacker (84) is playing head up on me, with a defensive wing (80) playing me deep. Within three and a half or four seconds I'll have to evade the backer, run my pattern, evade the wingback and reach the spot where Willis will expect to throw. The diagram shows other linebacker positions.



This is the head-and-step fake Wilson is so good at. The backer (84) is playing on my inside shoulder. At the snap of the ball I take a quick step to my right to make him shift weight in that direction. The moment he does, I break fast and hard to the left.



Here I'm breaking inside a head-on backer. I'd probably be cut right or 18 yards from the tackle, to clear the inside route. It works best after a couple of plays where you fake in and break out; the backer expects you to go outside when you hesitate, but you go on inside him.



and by the way I know the team's defense as a whole reacts to a situation. It took a lot of hours of looking at movies to work it out, but it helps.

It's good to work out with Johnny in another way, too. He's a strong-arm passer. You work with a guy

can't stick the ball out there for you, and you develop bad habits. You have to work with a passer who can overthrow you all the time, no matter how deep you go. You work with a weak-arm passer and you get in the habit of looking after you've made your final break in your pattern. Since I'm not exceptionally fast, I've got to work at 100% of my speed all the time. Guys like

Eluding a defensive back in the secondary



A sideline pass. You fake to the center of the field, then break to the sideline. You can step the clock by stepping out of bounds after the catch.

Here's the fadeaway special, a quick hook. You run right at the defensive back (90) until he gives ground, then spin, crouch, catch and spin away.



Stop and go, good to burn an eager beaver with. You come up hard on the defender, stop as if to turn, then run past him when he steps toward you.



This one links with the sideline pass above. Same maneuver, except that you fake the sideline, then break out to your left toward the center of the field.

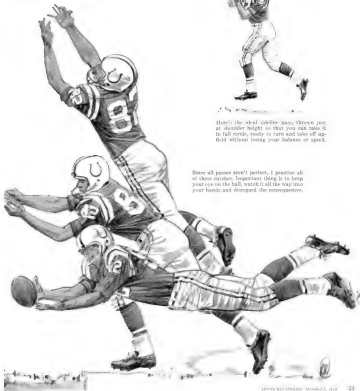


Willie Galimore of the Bears or Del Shofner of the Rams got enough speed so that they can go at maybe 75%; and do all right, but not me. The biggest bugaboo for a receiver is to have a pass overshoot him a couple of feet. All the way back to the huddle you're thinking about the little things you could have done to make up that couple of feet. Working out with Johnny, you're always

stretching after that long one and you get the habit and you get the details down that help you get the extra feet. There's some guys, like Lenny Moore, got enough buzz in their feet they can outrun the ball if they're overthrown. I got to use every bit of speed I've got to stay even.

continued

The end's biggest job: catching the football

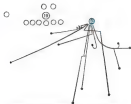


Here's the ideal side-line pass, thrown just at shoulder height so that you can take it in full stride, ready to turn and take off up-field without losing your balance or speed.

Since all passes aren't perfect, I practice all of these catches. Important thing is to keep your eye on the ball, watch it all the way into your hands and disregard the consequences.

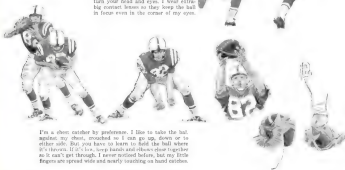
The details are important in pro ball. Things like wearing a strip of towel around your wrist on a hot day so the sweat won't run down into your hands and make them slippery. Or, when you catch a pass and run over the sideline, keep running so some eager beaver on defense won't make his letter on you when you slow down.

More on catching the ball



This is my own personal road map of pass patterns. Each route shown above is an integral part of a larger team pattern designed to get me or another Baltimore receiver a step or two ahead of a defender at the split second when the ball arrives.

This is part of the same idea. On a long pass you have a tendency to turn your whole body to look for the ball (left). If you do, you break the rhythm of your stride and slow down. You must learn to turn your head and eyes. I wear extra-big contact lenses so they keep the ball in focus even in the corner of my eyes.



I'm a short catcher by preference. I like to take the ball against my chest, crouched so I can go up, down or to either side. But you have to learn to field the ball where it's thrown. If it's low, keep hands and elbows close together so it can't get through. I never noticed before, but my little fingers are spread wide and nearly touching on hand catches.

I wear contact lenses when I play, but they're extra-big ones so that when I have to look over my shoulder and turn my eyes to the side as far as possible to see the ball, it stays in focus. I even have a safety belt in my car. I'm not a fast driver, but I fasten it every time I go anywhere. If I had to stop in a hurry, I'd hate to bang my knees on the dashboard and miss a game. You got to think about those things. You got to

think and study and work all the time. I do, anyway.

You see, there's some answer to every good defensive move. Johnny and I have talked about it. We try to figure out the answer, and then we try to burn the defense a few times and then they come up with something else and we start all over again. A lot of things you learn by watching other guys. For instance, Billy Wilson of the 49ers is the best end in the league at getting away

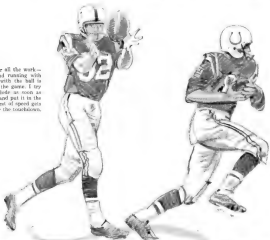
from a linebacker playing head-up on him. He's real good at a head-and-step fake, and the maneuvers shown here on evading a linebacker are Wilson's. Bill Houston of Cleveland is wonderful on faking a halfback, and these are some of his fakes, drawn on these pages. When you do everything right and the ball is on target, you get what I think is the biggest thrill in football: you get to run with the ball.

END



This may be the most important lesson of all. Put the ball in the hunk the second you get it. I practice doing this—tucking it away to avoid a fumble—every time I catch a ball in practice, just kidding around, or just picking up a ball.

Here's the reward for all the work—catching the ball and running with it. I guess running with the ball is the biggest thrill in the game. I try to remember to explode as soon as I've caught the ball and put it in the hunk. That extra burst of speed gets you the first down or the touchdown.



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Tip from the Top

Swinging the pitch shot

THE SECRET of scoring on the pro tour is getting down in two shots when you're about a hundred yards from the green. The average club golfer has more modest demands. He doesn't expect to get down in a pitch and a putt very often, but he would like to be able to pitch well enough so that he has a crack at a one-putt green every now and then and can at least count on regularly hitting the green with his pitch. He doesn't always do that, you know. A good many times when he scoops his shot the ball lands short and expires on the apron. Other times, when he tries to put a little punch into his shot, he pulls or pushes it far off the line. These particular errors are hard for him to take because the pitch shot doesn't require a full and powerful swing, as driving does or true finesse, as trouble shots do. The pitch is one shot he thinks he ought to be able to handle pretty well.

I believe in learning a standard pitch that is a swinging stroke as opposed to a slapping hit. The concept the player should have is that this shot is quite similar to the way you toss a ball underhand: just direct the right arm and hand toward the target. On the short pitch there's no body turn to speak of—you use your left side far less than you do on a full swing. As for your right arm and hand, you shouldn't think of them until you're coming down into the ball. Then they swing through the ball together and go right on out toward the target. There isn't an easier shot to learn or a more reliable one.



NEXT TIP: Lionel Hebert on the point in driving



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The inability to give up smoking is one of the more curious idiosyncrasies of 20th century man. Ever since Sir Francis Drake in 1586 brought tobacco back to England from Virginia and the habit of smoking was re-imported to America by the Pilgrim fathers, the "accusous weed," as an eminent Victorian referred to it, has had half the world in its grip.

There are signs that this grip is at last being loosened. It is being loosened by a harmless little white pill. The story of how this little white pill was discovered is similar to that of many other earth-shaking discoveries. In the process of trying to go somewhere else, the scientific brain unearthed something it wasn't in the first place even looking for.

In 1947 a research team in a large Chicago university set out to study gingivitis, a rather unpleasant inflammation of the gums that bedevils mankind. It had long been theorized that smoking contributed to this inflammation. But would stopping smoking help? In true scientific fashion our researchers decided that half of their patients should stop

smoking now if they showed any improvement over the other half.

Half were told to stop smoking by the doctor who headed the research team, but it was easier said than done. So our scientists are off on a new tangent. What could they give a patient that would help him to stop smoking quickly and easily?

Up to that time, medical experience showed that there was no easy, pleasant way to stop smoking. Years before, some experimental work had been reported with a drug called Lobeline Sulphate. Unquestionable evidence to smoke when it does large enough to be effective, it produced various unpleasant side effects. Here at last was a starting point.

Soon the tail was wagging the dog and the project of finding a way to help people conquer their tobacco habit. Last, because the all-important problem. After months of research and experimentation, our scientists hit upon the solution. The addition of two common antacid ingredients to Lobeline Sulphate accomplished two things: first, any unpleasant side effects were eliminated; secondly, the amount of Lobeline Sulphate necessary to do an effective job was greatly reduced. The result was a harmless little white pill which, when given to test patients, helped them to stop smoking in 5 days!

What made it work? Lobeline Sulphate is extracted from the Lobelia plant which is sometimes called "Indian Tobacco." It is a first cousin to nicotine, mimicking its action but it is not habit forming. It works by loosening the craving for nicotine at the system and not by making smoking unpleasant or intolerable.

The footnote to this story is an interesting one. It turned out that smoking did irritate the gum tissue. Those gingivitis patients who, with the help of the little pill, stopped smoking, showed a marked improvement over the smoking half.

And of course there was a sequel. The university where all this occurred realized that in their little pill they had something that thousands longed for. Here was some-



MICKY MANTEL, former American League home run champion, says: "I quit smoking with the help of the little pill."

thing that would help him, ardently who wanted to free him or herself from the smoking habit. But doctors, grooved scientists, they were cautious. More research was carried on, more tests were made on hundreds and hundreds of patients. It was proved that 85%, more than 4 out of 5, of all people who wanted to stop smoking, could, successfully and pleasantly in five to seven days with the help of the little pill. Significantly, it was found that those who didn't stop completely had cut down their smoking drastically.

This new discovery was soon reported in medical journals; demand for it came overnight from every corner of the globe. The Campana Company was chosen to market these amazing pills. Today you can buy them at any drug store, under the name of *Bantron* for only \$1.25 a box. *Bantron* has been proven safe, when taken as directed, it can actually be bought without a doctor's prescription.

By now many thousands of people have stopped smoking with the help of *Bantron*. However, human nature is weak. Many who stopped after taking *Bantron* found that under the stress and strain of modern life they broke down and started smoking again. Often they tried *Bantron* again with equally effective results. Today there are men and women everywhere who reach for a *Bantron* whenever they feel the urge to smoke a cigarette.

Of course, *Bantron* can't do all the work for you alone. It will not sit your hands behind your back. But if you really want to stop, it can be a powerful helper. This is the testimony of policemen, airline pilots, truck drivers, business men, ordinary citizens everywhere.



FRANKIE LEAHY, former football coach, says: "I quit smoking with the help of the little pill."

© Campana Co.



CHARLES GOREN / Cards

This pass leads not to Rome

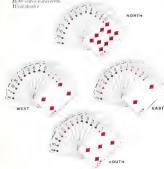
ALMOST any quiz kid, asked about a pass that changed the course of history, would answer: the pass of Thermopylae where a handful of Spartans held off the Persian hordes, or perhaps the 50-yard pass that Brock Miller threw to Freddie Stephens for a touchdown in the 1921 Tournament of Roses game. But an ex-quiz kid, Richard Freeman of Washington, is more apt to think of his last pass as the very last deal of the final match against Oswald Jacoby and Ira Rubin in the Masters Knockout Team championship, played this summer in Chicago.

It was a decision upon which three hinged, to some extent, the makeup of the squad which will represent the U.S. at the World Bridge Olympiad, scheduled for Rome, Italy in April 1960. Freeman had had to change his call from "pass" to "double" to write history on a trophy (the Spingold) already conspicuously inscribed with names outstanding in bridge history.

This observation is in no way an indictment of the brilliant young Washingtonian. On the contrary, he richly earned the plaudits showered on him as he led probably the youngest team ever to reach the finals of this event.

It was close to 3 a.m. on Wednesday, August 5, when some 350 enthralled kibitzers saw the 38th and final deal flashed on the projection screen.

Both sides vulnerable.
West deals.



It was a tense situation. Neither team knew it, of course, but a swing on the 38th deal had given Freeman's team a lead of 4 International Match Points (one IMP is approximately equal to 100 total points). At the table they were watching the bidding went:

WEST (Freeman)	NORTH (Jacoby)	EAST (Mittie Markovitch)	SOUTH (Rubin)
PASS	1♠	PASS	2♠
PASS	2♠	PASS	4♠
PASS	PASS	PASS	

East opened the club 4, won by Jacoby's ace. Declarer had to lose two hearts and a diamond and eventually lost three trump tricks as well. But the 300-point set brought no joy to Freeman's teammates who had hurried downstairs to watch this last board.

Upstairs, when Freeman's teammates held the North-South hands, aggressive bids by Vic Mitchell, West, and Morton Rubinson, East, for the Oswald Jacoby-Sam Stayman group had been parlayed with a defensive error to bring a big score.

WEST (Mitchell)	NORTH (Jacoby-Rubinson)	EAST (Markovitch)	SOUTH (Freeman-Stayman)
PASS	1♠	2♠	2♠
2ND TRUMP	DOUBLE	PASS	PASS
PASS			

Mitchell huddled long before deciding to gamble it out at three no trump. His opponents had played very well against him, and he figured, correctly, that his team might need a big swing.

A heart opening would have set the contract but North led the spade seven. South's queen fell to West's king, and a diamond was returned. When North played the queen, Mitchell let it hold—a good play.

North shifted to a low heart. West took his ace, led another diamond and successfully finessed dummy's jack. Four good diamonds were cashed. With perfect defense, the contract might still have been set. But when dummy's queen of clubs was led, South covered with the king and North's ace could not be withheld. Making four-odd produced a score of 550 points. The net gain of 650 was worth 6 IMP's, and the championship was won by only 2 IMP's.

Obviously, Freeman's pass wasn't the blow that lost the match—but a double would have won it. However, the youngster may still be seen in action abroad if he and his partner are chosen by a committee of the American Contract Bridge League, whose vote will select two of the four teams that will represent the United States in Europe next spring.

END

TROTting / *Jeremiah Tax*

A party for Clandeboyne

The winner of the Brown
Jug will really celebrate his
victory after he goes home

MR. JAMES W. BASKIN, Member of Parliament for Renfrew South, Ontario, flew down to Delaware, this last week to watch the Little Brown Jug. Delaware was jammed for Jug day, as usual, and the M.P. was obliged to spend the night on a cot in the fourth-floor hallway of the only hotel in town. But this slight breach of the international amenities regarding the treatment of distinguished visitors hardly disturbed Jim Baskin. By the time he slipped into his cot on Jug night he had seen and celebrated an amazing series of triumphs for Canadian horsemen. And the handsome, wiry Mr. Baskin was well equipped to appreciate what he saw, since he trains and drives his own harness horses in Ontario.

In races before the Jug itself he first saw Canadian Earle Avery drive Mussey Hanover to victory in the Ohio Futurity, in world record time for 2-year-olds. Then Canadian Joe O'Brien won the Invitational Pace with Sunbelle, racing two successive heats in two minutes or better for the first time in history on any half-mile track. Finally, in the day's climax for Baskin and 33,000 other fans, Canadians Clint Hodgins and O'Brien finished one-two in the Jug, our annual fall classic for 3-year-old pacers. En route to the Jug victory, Hodgins won his first heat with Adios Butler in 1:58 2/5, the first time two minutes was ever beaten in this race.

Maintaining the dignity of his station, Jim Baskin saluted the superb performance of his countrymen and

continued

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B. BRYAN.....Joliet
BROOKHORN, J.....Joliet
LEWIS, J.....Joliet
SHAW, J.....Joliet
ANDERSON, WENDY.....Springfield
DORRIS & DORRIS.....Springfield

INDIANA

JOHNSON, J.....Fort Wayne

IOWA

LEWIS, J.....Mason City
MC CART, J.....Mason City

KANSAS

BENNETT, J.....Topeka

KENTUCKY

MARTIN, J.....Louisville

MARYLAND

FRANKLIN & KIRK.....Baltimore

MASSACHUSETTS

R. E. SMITH.....Boston
BROOKMAN, KYLE.....Boston
MARTIN, J.....Boston
TOM, ELLIOTT.....Fall River
HARTLEY, J.....Greenfield
KAY, J.....Greenfield
GORDON, J.....New Bedford
A. D. WHITE.....Springfield
CUTLER, J.....Winchester

MICHIGAN

WAGNER, J.....East Lansing
BLOOM & FRANK.....Birmingham
BLOOM & FRANK.....Birmingham
PETERSON, JAMES.....Birmingham
PETERSON, JAMES.....Birmingham
PETERSON, JAMES.....Birmingham
PETERSON, JAMES.....Birmingham
PETERSON, JAMES.....Birmingham
PETERSON, JAMES.....Birmingham

MINNESOTA

GREEN, J.....Austin
MC CART & PUGH.....Dallas
MC CART & PUGH.....Dallas
MC CART & PUGH.....Dallas
MC CART & PUGH.....Dallas
MC CART & PUGH.....Dallas
MC CART & PUGH.....Dallas
MC CART & PUGH.....Dallas

MISSOURI

MC CART & PUGH.....Kansas City

NEBRASKA

CARTER & BARKER.....Lincoln

NEW JERSEY

LEWIS, J.....Bloomfield
LEWIS, J.....Bloomfield
LEWIS, J.....Bloomfield
LEWIS, J.....Bloomfield
LEWIS, J.....Bloomfield
LEWIS, J.....Bloomfield
LEWIS, J.....Bloomfield
LEWIS, J.....Bloomfield

CALIFORNIA

PETERSON, CHRISTOPHER.....San Jose
PETERSON, CHRISTOPHER.....San Jose
PETERSON, CHRISTOPHER.....San Jose
PETERSON, CHRISTOPHER.....San Jose
PETERSON, CHRISTOPHER.....San Jose

NEW YORK

HARRISON & FORD.....Binghamton
H. STRAIN.....Binghamton
H. STRAIN.....Binghamton
H. STRAIN.....Binghamton
H. STRAIN.....Binghamton
H. STRAIN.....Binghamton
H. STRAIN.....Binghamton
H. STRAIN.....Binghamton

NORTH CAROLINA

M. V. MOORE.....Asheville
M. V. MOORE.....Asheville
M. V. MOORE.....Asheville
M. V. MOORE.....Asheville
M. V. MOORE.....Asheville

NORTH DAKOTA

GILBERTSON, J.....Bismarck
GILBERTSON, J.....Bismarck
GILBERTSON, J.....Bismarck
GILBERTSON, J.....Bismarck
GILBERTSON, J.....Bismarck

OHIO

C. S. WATSON.....Columbus
BARNARD, GERRY.....Columbus
BARNARD, GERRY.....Columbus
BARNARD, GERRY.....Columbus
BARNARD, GERRY.....Columbus

OKLAHOMA

JOHNSON, J.....Tulsa

PENNSYLVANIA

MC CARTER, J.....Butler
MC CARTER, J.....Butler
MC CARTER, J.....Butler
MC CARTER, J.....Butler
MC CARTER, J.....Butler
MC CARTER, J.....Butler
MC CARTER, J.....Butler
MC CARTER, J.....Butler

RHODE ISLAND

LEVY, J.....Providence

TENNESSEE

ONE, HALL.....Memphis

TEXAS

J. J. JONES.....Austin
J. J. JONES.....Austin
J. J. JONES.....Austin
J. J. JONES.....Austin
J. J. JONES.....Austin

UTAH

WATSON, EDWARD.....Provo

VERMONT

MILES, A. RILEY.....Burlington

VIRGINIA

WILLIAMS, JAMES.....Falls Church
WILLIAMS, JAMES.....Falls Church
WILLIAMS, JAMES.....Falls Church
WILLIAMS, JAMES.....Falls Church
WILLIAMS, JAMES.....Falls Church

WASHINGTON

THOMAS & GORDON.....Spokane

WEST VIRGINIA

GILBERTSON, J.....Martinsburg

WISCONSIN

LEWIS, J.....Appleton
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TROTTERING nation I

then dwell thoughtfully on Hodgins, the hero of the day, of course.

"Clint comes from a very small place in western Ontario called Clarendon," said the M.P. "Just a remote hamlet, actually. He comes home at the end of the season each year, and the first night he's home he hires a band and has a big party and everyone comes from miles around and dances all night, especially Clint. Should be quite a party his first night home this year. I wish everyone understood Clint the way they do in Clarendon."

Well, Clint Hodgins takes understanding, shrewd, stoic, suspicious of strangers, he is seldom at ease unless leaving Ontario each year except when he plants himself in a sulky. There he's at home again, his powerful arms and shoulders in complete command of the horse in front of him, his ability to communicate racing strategy to a dumb beast uncanny and precise. At 32, he's been among the sport's best drivers for decades.

RECORD HEAT WAS EASY

In the Jug, admittedly, he had the best colt on the race track. But his own performance was still magnificent. The first heat appeared to be a breeze, yet, as noted, Adios Butler smushed all Jug records. Guidance from the powerful arms and shoulders was sporadic and brief. "I hardly talked to him at all," said Hodgins afterward. "There's times you feel you'll get the best out of a horse when you leave him pretty much alone. 'Course, you can guess wrong." Because of the remarkable rapport he is able to establish with a horse, Hodgins seldom guesses wrong.

In the final heat Joe O'Brien, driving his game Meadow Al, forced Hodgins to display his skill. It was a pleasure to watch their duel. Hodgins maneuvered Butler's half-ton of home-bred like a toy, nearly always keeping horses between himself and O'Brien so he could anticipate every challenge from the man he had to best. Then Butler outpaced Meadow Al in the stretch by a clear length.

At the traditional Jug party and dance that night, honored guest Clint Hodgins was again as ill at ease as a little boy in the barber chair for the first time. He wore his dark suit and company manners like a plaster cast. He will dance to this victory in Clarendon, not before.

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A most happy season

Major league baseball put on a smash show in 1959 with two thrilling pennant races

EVEN the dreamer who intended Albin Doolittle couldn't have thought up a more improbable baseball season. The Yankees finally lost a pennant and the White Sox finally won one. The National League had a terrific three-team race that went into the last week of the season. And even then, it took a playoff to discover who would play in the World Series. Best of all, as far as the baseball owners were concerned, attendance was up nearly a million and a half over last year.

NATIONAL LEAGUE

The Milwaukee Braves woke up just in time. After playing half the year as if they didn't really care, the Braves put on a desperate rush that tied them with the Dodgers on the last day of the season. Bud Felder (the loss of Schoendienst at second hurt the most) hampered the Braves all year. Their hitting was good and so was their pitching. In fact, with two 20-game winners and Aaron and Matthews with 34 homers and 204 RBIs between them, it should have been an easy year.

The Los Angeles Dodgers, by all

TEAM LEADERS					
Pitching		Hitting		Fielding	
AMERICAN LEAGUE					
CL	1st	1st	1st	1st	1st
2nd	2nd	2nd	2nd	2nd	2nd
3rd	3rd	3rd	3rd	3rd	3rd
4th	4th	4th	4th	4th	4th
5th	5th	5th	5th	5th	5th
6th	6th	6th	6th	6th	6th
7th	7th	7th	7th	7th	7th
8th	8th	8th	8th	8th	8th
9th	9th	9th	9th	9th	9th
10th	10th	10th	10th	10th	10th
NATIONAL LEAGUE					
CL	1st	1st	1st	1st	1st
2nd	2nd	2nd	2nd	2nd	2nd
3rd	3rd	3rd	3rd	3rd	3rd
4th	4th	4th	4th	4th	4th
5th	5th	5th	5th	5th	5th
6th	6th	6th	6th	6th	6th
7th	7th	7th	7th	7th	7th
8th	8th	8th	8th	8th	8th
9th	9th	9th	9th	9th	9th
10th	10th	10th	10th	10th	10th

rights, didn't belong in the pennant race at all. Their hitting was weak (sixth in the league), and they didn't have much power. Their pitching, though fairly good, was inferior to the Braves'. But the Dodgers had plenty of depth, fairly good defense and speed—and, most of all, desire.

The San Francisco Giants went as far as the tired arms of Jones, Antonelli, Sanford and McCormick could carry them. The four pitched over 200 innings apiece and accounted for 75% of the Giant pitching chores. A week and a half before the season ended they were out, and the Giants lost five straight games—for the first time all year. The Series still might have been played in Candlestick Park if the Giants' defense had held up and the Giants' hitters had been more consistent.

The Pittsburgh Pirates were the biggest disappointment of the year. Given a good chance for the pennant last spring, the Pirates started off with five straight losses and were never in contention. A tight defense and strong pitching were supposed to compensate for a lack of power. But the defense faltered and the pitching slipped.

The Chicago Cubs depended upon a bunch of hard-hitting veterans and a green pitching staff to carry them. The young pitchers did well enough, but most of the aging sluggers collapsed. In 1958, Thomson, Morry,



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STARS OF THE SEASON

American League		National League	
1961 Batting Statistics			
Team Runs	Washington 107	Team Runs	San Francisco 107
Team Hits	Washington 107	Team Hits	San Francisco 107
Team Errors	Washington 107	Team Errors	San Francisco 107
Team Fielding	Washington 107	Team Fielding	San Francisco 107
Team Pitching	Washington 107	Team Pitching	San Francisco 107
1961 Pitching Statistics			
Team Wins	Washington 107	Team Wins	San Francisco 107
Team Losses	Washington 107	Team Losses	San Francisco 107
Team Saves	Washington 107	Team Saves	San Francisco 107
Team ERA	Washington 107	Team ERA	San Francisco 107
Team WHIP	Washington 107	Team WHIP	San Francisco 107
Team OBP	Washington 107	Team OBP	San Francisco 107
Team SLG	Washington 107	Team SLG	San Francisco 107
Team OPS	Washington 107	Team OPS	San Francisco 107
Team BABIP	Washington 107	Team BABIP	San Francisco 107
Team BIP	Washington 107	Team BIP	San Francisco 107
Team BIP/100	Washington 107	Team BIP/100	San Francisco 107
Team BIP/1000	Washington 107	Team BIP/1000	San Francisco 107
Team BIP/10000	Washington 107	Team BIP/10000	San Francisco 107
Team BIP/100000	Washington 107	Team BIP/100000	San Francisco 107
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Team BIP/1000000000000000000000000000000000000000	Washington 107	Team BIP/1000000000000000000000000000000000000000	San Francisco 107
Team BIP/100	Washington 107	Team BIP/100	San Francisco 107
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BASEBALL continues

Long and Walls banged out 91 home runs and knocked in 366 runs. This year they hit 47 homers and had 116 RBIs. Ernie Banks almost equaled them all by himself with 90 home runs and 114 RBIs.

The Cincinnati Reds posted strong pitching with 157 runs, 101 hits and 54 errors. Manager Mayo Smith was 1989. Under Alvin Darkman, they improved to a .527 pace (39-35). Once again, the Reds showed their important preferences. The team had the best batting average among all the leagues. (Philly, Reds and

RUNS SCORED AND YIELDED

	Runs Scored	Runs Yielded	Difference
1958-59 AVERAGE			
Quinn	4.51	4.18	+.33
Quinn	4.79	3.77	+.92
New York	4.42	4.12	+.30
Roy	4.71	4.57	+.14
Port	4.63	4.75	-.12
Baltimore	3.91	4.30	-.39
Kelly, C/O	4.47	4.94	-.47
Washington	4.01	4.93	-.92
AMERICAN AVERAGE			
Minnesota	4.41	3.90	+.51
San Francisco	4.50	3.57	+.93
Los Angeles	4.57	4.38	+.19
Cleveland	4.40	4.79	-.39
Chicago	4.34	4.46	-.12
Pittsburgh	4.75	4.79	-.04
St. Louis	4.15	4.71	-.56
Philadelphia	3.90	4.55	-.65

Temple all batted over .300, and the team was first in batting and runs scored. But the pitching staff allowed the most runs in the league.

The St. Louis Cardinals also suffered for lack of pitching. There was even speculation the Reds' "They, too, had those 1990 hitters—Cunningham, Bower and White—and a good team batting average. But the Cardinals' overpowering power of the Redwood were south in homers, seventh in runs scored.

The Philadelphia Phillies had no trouble fixing the blame for their finish. They were last in hitting, last in fielding, last in pitching.

AMERICAN LEAGUE

Last spring, knowing how ball men said that the slick-fielding Chicago White Sox couldn't possibly win the pennant unless they added some power. Well, the Sox hit even fewer home runs in 1959 than they did in 1958 and they were dead last in the league both seasons. The pennant-winning difference was the White Sox pitching staff. It developed into

the best in baseball. For the first time Chicago had, in Turk Lown and Gerry Staley, two thoroughly reliable relief pitchers.

The Cleveland Indians, on the other hand, were loaded with power (first in home runs and runs scored). But their pitching was upset when Herb Seere failed to come back (3-11) after two seasons of injuries. An inability to beat Chicago (7-15) killed whatever chances they had.

The New York Yankees were just another team fighting to make the first division. All the hitting, pitching, defense and depth that were supposed to make the Yanks invincible

VIEW FROM THE MOUND

BY WARREN SPANH

A new series of articles by baseball's famous left-hander expressing his personal views on everything from fast balls to Fall fashions

Fine PARIS tallow leather belts help you achieve the look of success



The successful man is especially careful about his appearance and wardrobe. Fine leather accessories, for example, add real distinction to your clothes. Believe me, nothing can ruin a man's smart appearance faster than an old, frayed, cracked belt—even if his suit is new and his shoes brightly polished. That's why good-looking "Paris" Tallow Leather Belts are so important. I have a herd of fine Hereford cattle in Oklahoma, and I don't think any of those cows have hides good enough for these "Paris" Belts.

Tallow leather is rugged as the leather cover on a baseball, yet as supple as my glove. "Paris" craftsmen take the world's finest cowhide, and hand-rub it with tallow (like those skilled English saddle-makers used to do) to give it a rich, glowing sheen that lasts for years. It's perfect for wear with fabrics such as tweed, varnished, or shetland.

I suggest you buy the custom-link style for dress, the 1" width for casual wear. You can select them at your favorite men's shop or department store.

For my free booklet, "A View From The Mound," write: Warren Spanna, c/o Paris Belts, 1141 W. Congress Parkway, Chicago 7, Illinois.

*Also: U. S. Pat. 2,671, 2,672, 2,673, 2,674, 2,675, 2,676, 2,677, 2,678, 2,679, 2,680, 2,681, 2,682, 2,683, 2,684, 2,685, 2,686, 2,687, 2,688, 2,689, 2,690, 2,691, 2,692, 2,693, 2,694, 2,695, 2,696, 2,697, 2,698, 2,699, 2,700, 2,701, 2,702, 2,703, 2,704, 2,705, 2,706, 2,707, 2,708, 2,709, 2,710, 2,711, 2,712, 2,713, 2,714, 2,715, 2,716, 2,717, 2,718, 2,719, 2,720, 2,721, 2,722, 2,723, 2,724, 2,725, 2,726, 2,727, 2,728, 2,729, 2,730, 2,731, 2,732, 2,733, 2,734, 2,735, 2,736, 2,737, 2,738, 2,739, 2,740, 2,741, 2,742, 2,743, 2,744, 2,745, 2,746, 2,747, 2,748, 2,749, 2,750, 2,751, 2,752, 2,753, 2,754, 2,755, 2,756, 2,757, 2,758, 2,759, 2,760, 2,761, 2,762, 2,763, 2,764, 2,765, 2,766, 2,767, 2,768, 2,769, 2,770, 2,771, 2,772, 2,773, 2,774, 2,775, 2,776, 2,777, 2,778, 2,779, 2,780, 2,781, 2,782, 2,783, 2,784, 2,785, 2,786, 2,787, 2,788, 2,789, 2,790, 2,791, 2,792, 2,793, 2,794, 2,795, 2,796, 2,797, 2,798, 2,799, 2,800, 2,801, 2,802, 2,803, 2,804, 2,805, 2,806, 2,807, 2,808, 2,809, 2,810, 2,811, 2,812, 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Boston Red Sox, Ted Williams became a part-time .250 hitter; Mike Huggins started the season as manager and Billy Jurges finished it; every other team in the league increased its attendance except the Sox.

The Baltimore Orioles finished ahead of two other teams only because of their wonderful pitching. Here was a ball club that could neither hit nor score—seventh in batting and homers, last in runs, and—surprisingly for a Paul Richards team—couldn't field, either. Still, the Orioles managed to hang in third place most of the season. Hoyt Wilhelm won his first nine games, and Gus

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RUNS PRODUCED

AMERICAN LEAGUE	Runs Scored	League Average	Runs Produced
Seattle, Wash. (11)	101	74	100
Seattle, Wash. (10)	91	74	91
Seattle, Wash. (9)	81	74	81
Seattle, Wash. (8)	71	74	71
Seattle, Wash. (7)	61	74	61
Seattle, Wash. (6)	51	74	51
Seattle, Wash. (5)	41	74	41
Seattle, Wash. (4)	31	74	31
Seattle, Wash. (3)	21	74	21
Seattle, Wash. (2)	11	74	11
Seattle, Wash. (1)	1	74	1

Not used by Seattle, Wash. (10) to (1)

THE BOOKIES

AMERICAN LEAGUE	NATIONAL LEAGUE
Seattle, Wash. (11)	Seattle, Wash. (11)
Seattle, Wash. (10)	Seattle, Wash. (10)
Seattle, Wash. (9)	Seattle, Wash. (9)
Seattle, Wash. (8)	Seattle, Wash. (8)
Seattle, Wash. (7)	Seattle, Wash. (7)
Seattle, Wash. (6)	Seattle, Wash. (6)
Seattle, Wash. (5)	Seattle, Wash. (5)
Seattle, Wash. (4)	Seattle, Wash. (4)
Seattle, Wash. (3)	Seattle, Wash. (3)
Seattle, Wash. (2)	Seattle, Wash. (2)
Seattle, Wash. (1)	Seattle, Wash. (1)

Triandos led off 24 home runs by All-Star Game time. But Wilhelm was 6 1/2 the rest of the year and Big Gus, hampered by injuries and the frustration of chasing Wilhelm's knuckle, hit only five more homers.

The Kansas City Athletics had a high team batting average, but it didn't mean much. They got the most, on base, but they couldn't get them home. Weak pitching (worse ERA in majors) and injuries to key players—Maris, Tuttle, Cerv, Chis—further ruined the A's chances for a more respectable showing.

The Washington Senators had quite a season for a last-place ball club. For half the year they were the glamour team of the League. Home runs drew out of Griffith Stadium. An obscure bonus player named Harmon Killebrew hit so many homers he was voted the All-Star third baseman. The Senators moved up to fifth place. Then the home runs stopped. The Senators had nothing else to sustain them (last in batting, last in fielding). They lost 15 in a row and fell into the cellar.

END



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him and was ready to take to the outside for his stretch run. He had no way of knowing that what the crowd was yelling most hysterically about was poor forgotten Inside Tract, who, under Ray Broussard, had let loose a jetlike run and in a flash had come up on Arcaro's outside, blocking any move he might have wanted to make to the outside and putting him, for a moment, in a blind switch from which there was no immediate escape.

At that second, however—and it is a second that Tommy Barrow will never forget—Hilldale was taking the final turn. He took it just too wide, for with the speed of a cobra striking for its life Arcaro shot Sward Dancer through the opening on the rail. He jumped Hilldale's heels to make it, and just did.

THE REAL BATTLE

Now came the race. Four of them were in a tight pack for a fleeting instant before Inside Tract fell back. Next it was Round Table's turn to falter, down around the eighth pole, and then there were two, riding knee-to-knee in a savage and brutal duel. Beside the sixteenth pole Arcaro switched his whip to his left hand and cracked it with authority. Sward Dancer did what he knows how to do: he responded with the gut-busting courage that marks a champion and, digging in once more, he poked his chestnut head in front.

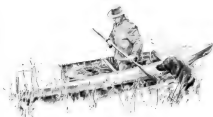
No virtue was found for Hilldale, and he need seek none, although it is true that Barrow admitted he never knew Arcaro was cutting to his inside until he saw Sward Dancer's head beside him, and then it was too late. As for Round Table, Shoemaker said he liked the track fine but just had no finishing kick at all. "Could be," suggested Willie, "that his race the previous week, when he carried 136 pounds, took too much out of him."

Be that as it may, Sward Dancer and Brookmeade Stable won their championship the hard way last week, and it was a deserving one at that. As for Arcaro, he's been a champion all along anyway. Remember when he once said, "I really believe I have my best judgment when the money is hanging up there"? Anyone who wasn't convinced then should have been at Aqueduct for the 1969 Woodward Stakes.

END



"THE ABERCROMBIE SHOOTING GUNNS STOLE IN THE NORTH"



Lure of Nature

TWO DUCKS WINGING SOUTH ON America's great flyways, other ducks settled on water mean food. And it is the hope of a hunter setting up a rig of decoys on a raw winter day that the urge to fly down and join the feast will be irresistible.

Hunters have relied on decoys to lure their quarry into shooting range for thousands of years. The variety of designs is roughly equivalent to the number of craftsmen who have been attracted to such a unique art.

Although decoys have been made of practically everything that floats—straw, cork, pine, balsam wood, paper-mâché, plastic, rubber, even stuffed barnyard mollusks—all fit into the patterns of nature. For more than sixty years, A&F has carried out a basic group: diving ducks and shoal water ducks, and within each group, individual species which vary in size, shape and plumage.

Moreover, all good decoys have many characteristics in common. The beautiful model-hand-finished for us by men of experience have a flat coating, to prevent light reflection, and realistically varied head

positions. Carefully ballasted and balanced, they ride steady—without rolling, dipping or skidding across waves.

Many fine decoys, curiously enough, are far from exact copies of ducks. A subtle, skillful exaggeration of size, shape or markings makes them more readily distinguishable at a distance.

The method and extent of exaggerating life-like characteristics are subjects of endless debate. But a fairly recent and widely accepted variation is in size. Seasoned hunters tell us that decoys which are considerably oversize lure ducks under difficult conditions when conventional decoys fail. Except for shooting on calm, protected water, oversize decoys are in fact the most popular kind today.

We have no magic formula on the number and type of decoys—or the sort of rig—to help lure the flock on. It's blind class. Experience and a study of the ducks in a certain area are the only reliable way to find out what works best. But one Gun Room has some of the finest decoymakers—"natural" that have helped many seasoned gunners bring home the birds.

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FOOTBALL MURDER

Continued from page 17

the ball as slippery as a greased pig.

When Northwestern wasn't scoring, it was harking Oklahoma to the wall with marauding punts; one rolled dead in the two-yard line. When Oklahoma passed for a touchdown in the rain to make the score 7-13 in the second quarter, Northwestern soon returned the compliment with its own scoring pass in the rain. When, in desperate circumstances, Oklahoma sprang a blitz formation, Northwestern came right back with one equally bizarre.

Whatever the conditions the football-poor Northwestern simply could not handle the Wildcats' slick offense—especially the fancy running of Halfback Bob Burton, who sprinted 62 yards in the rain on the prettiest touchdown play of the game, and the all-around quarterback play of the gifted Dick Thornton. The Sooners wisely treated Northwestern to close friends, two of which led to Wildcat touchdowns, and the Wildcats treated themselves to touchdowns after blocking an Oklahoma quick kick, intercepting a pitchout and holding Oklahoma for shorted downs in its own territory.

NO HANDSTANDS BY PARAGON

If you think Ara Paragorian was doing handstands in jubilation after the game, you are wrong. He looked exactly as he had beforehand—conscious, alert, intense. He bit into a big red apple and said, "This is the type of game you get when you suffer. Everything goes right for you and everything wrong for them. Every time they make a mistake, long, untouchable advantage of it."

In the center Oklahoma dressing room, Dick Williams was composed. He even flashed his old-smugging smile a time or two. He wouldn't even want to make a guess as to the possibilities of the final outcome.

"They just beat us real hard and that's our job," he said.

Asked if the final outcome had hurt his play, Brewster Hobbs said: "Now. We just got our tails beat."

Late in the Northwestern Co. they left Newman Stadium—afternoon. That night a real storm blew in, knocked over trees and injured 14 people. With the kind of week it had been, the Sooners to doubt would have been indulging themselves if they had been in the victory. **END**

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FAR WEST FOOTBALL COMEBACK was celebrated by Southern California's smacking 23-0 win over Pittsburgh. Here, USC's Al Prokop, who has just intercepted a Pittsburgh

pass, carries his way to an advantageous goal. He carries ball 38 yards to the 191 yard. Speedy sophomore backs and a tough defense helped USC win its second straight game.



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BEAR FACTS AND FANTASIES

There are plenty of both, and they often are confused. Here a sportsman who has hunted bears all over America separates truth from legend

by GRACIEL FITZ

FROM the earliest days of history, bears have captured the imagination of man. Few animals have been so widely represented in literature, dating back at least as far as their mention in the Old Testament—"And there came forth two she bears out of the wood, and tare forty and two children of them" (1 Kings 2:24). Other tales of bears have come to us through the writings of Aristotle, Virgil and Ovid, on down to the fable of Goldilocks and the exploits of Davy Crockett. Only a few generations ago several of the western and northern tribes of American Indians—among them the Navajo, Hopi and the Kwakiutl—believed that bears, like white men, were another kind of people. They reasoned that bears can stand erect and walk on their hind feet and that a skinned one looks much like a man. Some tribes even believed that grizzlies were their remote ancestors, and the hunters apologized to the bear before they attacked him.

Some curious beliefs are still common among civilized people—such as the idea that bears catch fish by tossing them out on the bank with their paws. There have been lots of draw-

ings and descriptions of this performance, but it is a safe bet that no observer has ever seen it done, no matter what he may have thought he saw. The miles of movie film which have been made of bears fishing show that the paws are invariably used to pin the fish to the bottom. The bear then takes the fish in his mouth and carries it ashore.

There is another durable old yarn that bears kill men by hugging them to death. It has been proved over and over again that they do nothing of the kind. In the rare instances when unwounded bears attack men they usually charge in on all fours and bite, in much the same way that a dog attacks, except that the man is howled over in the process. They sometimes do stand up in coming to grips with a man, particularly when they are surprised at close quarters. When this happens the bear may throw a paw around his victim and pull him in to be bitten, but that is as close as they ever come to hugging.

Contrarily, a few writers have maintained that big bears are so fearful of man they try to run into the nearest county at the first sign of human presence, and that they never

attack unless they are forced to defend themselves or their young. In many cases this is undoubtedly true. However, there are plenty of exceptions, and no one man's opinions will ever settle the arguments. The bear is too unpredictable and too much a part of American folklore ever to succumb to out-and-dried analysis.

One thing, however, is sure. The sportsmen of the North American continent can claim the finest bears on earth, and these include the world's largest four-footed carnivores. But I wish that somebody knew exactly how many kinds we have. Scientists certainly don't. According to some authorities, there are no less than 86 North American species and subspecies of the genus *Ursus* alone, which takes in only our grizzlies and Alaska brown bears. On the other hand, one eminent modern authority contends that all bears in this genus belong to a single, highly variable species.

Against this background of scientific contradictions it seems to me

(continued on page 76)

TURN PAGE FOR ILLUSTRATIONS OF FOUR SPECIES OF NORTH AMERICAN BEARS.



BLACK BEAR

Belonging to the genus *Euarctos*, the black is the most heavily humped and most adaptable of North American bears. Its range extends across the entire continent, from the arctic tundra down to the high mountains of Mexico. Its fur is usually glossy black with perhaps a white sheen on the chest at a stage of brown in the males, but some individuals in the species have hides that are all brown or, in rare cases, blushing or completely white.



ALASKA BROWN BEAR

The giant Inuvialup bear along a narrow, coastal strip of Alaska between Barrow Island in the southwest and to Valdez Island beyond the tip of the peninsula. The most famous specimen is the killer Kootenai Island, where the present world record book, scoring 3012. Its heaviest official measurement, was shot by Alaskan Bear Landley in 1954. Three years later Alaskan Fish bagged the biggest Inuvialup bear shot taken by a nonresident sportsman.



GRIZZLY

Villains of a thousand tales of denials, many of them exaggerated or fictitious, the grizzly was first reported from the Canadian north by Elisha and Nathaniel Kendall Home in 1771. Made famous in later years by the accounts of their adventures in the journals of the Lewis and Clark expedition, these magnificent animals now occupy only a small fraction of their former range in the western half of the North American continent.



POLAR BEAR

Although their small heads give deceptive slight measurements, recent evidence indicates that the biggest male polar bear from Alaska's Siberian sector are the world's largest bears. The world record trophy, with a skull which stood 28 1/2 inches, was shot in 1958 by Tom Boland of Etah, Alaska. One possible reason the males grow so big is that they normally do not hibernates, as do the other North American species, but instead hunt for seals all year round.

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BEARS (continued)

that for the average sportsman the best means of classification was arrived at in the last two editions of the hunters' official record book—*Records of North American Big Game*, compiled by the Boone and Crockett Club. In these volumes the bears are divided into four kinds—black, brown, grizzly and polar. The black bears and the polars naturally have their own lists in the trophy ratings, and for practical reasons the big Alaska brown bears and the grizzlies are listed in separate classes. Each of these inhabits a wide stretch of territory and has many separate and distinct characteristics. And with each type the size of the trophies varies considerably in different parts of their ranges.

BLACK BEARS

THE black (*Euarctos americanus*) is, by a wide margin, our most hunted bear. He is found throughout an enormous range which practically covers the forested parts of the continent, from the Atlantic to the Pacific and from the limit of trees in the arctic down to the Tropic of Cancer in the higher mountains of Mexico. As his range might indicate, he is remarkably adaptable. And while his numbers have been greatly reduced since the days when Davy Crockett killed 105 in a single year, he has adjusted to modern conditions so well that he is still roaming the woods in fair numbers within a hundred miles of New York and Philadelphia. Including an estimated 75,000 in Alaska, there are now roughly 250,000 black bears in the United States, and loads of others in Canada, where estimates in the remote areas are unobtainable.

As might be expected, in most of their range their fur is a glossy black. However, since at least 13 subspecies have been described by scientists, it is not surprising that the black shows a variety of color modifications in separated portions of his vast homeland. Some have more or less brown on their muzzles, and many have white spots on their chests. In the Rocky Mountain states, and on up through western Canada into southern Alaska, there are areas where completely brown specimens, the so-called cinnamon-brown bear of the true genus *Euarctos americanus* are at least as common as the black ones. In those regions, many a brown has a black mother, or vice versa; frequently we find both

colors in the same litter, in which the number of cubs may vary from one to four.

Taxidermists in the Northwest have told me that hunters occasionally get large browns of the black species confused with grizzlies. There is no good reason why this should happen. For while some grizzlies of similar color are no larger than really big cinnamons, they can be distinguished at a glance. Grizzlies have a different profile, hunk in head and body. Seen from the side, the front part of a grizzly's head looks to be somewhat dished in (see illustrations on pages 26 and 27); the black's head shows a much straighter line. Also, the grizzly has a conspicuous hump over his withers, and his higher and less sloping hindquarters give him a lankier look than any black of the same size. When you run over the claws, the difference is unmistakable. The blacks are the only North American bears that can climb trees, and their strongly curved front claws, short and sharp, are well suited to the job. The front claws of grizzlies are long and nearly flat. Finally, you will find few blacks in real grizzly country, for the grizzlies often kill and eat them, and the blacks stay out of their way.

While it may not be too difficult to conceive of a cinnamon-colored black bear, it is downright startling to learn that a black can also turn out to be white, or even blue—which really means the color of a Maltese cat. The white variety, *Euarctos griseocanus breweri* caused quite a stir when it was first described from Kermadec Island, off the British Columbia coast. But no such animals were seen with white and black litter twins; it was realized that the white bears—which are not albinoes—were just another color phase of the common kind, rather than a separate species as originally thought.

The other principal variant, the blue-gray glacier bear (*Euarctos americanus caninus*), also is found with black twins. These blues seem to be rather small, but size is probably due to local feed conditions. While most glacier bears have been taken in the mountains near Yakutat, in Alaska, a few individuals of this strange mutation crop up in widely separated parts of the continent.

Like all other American bears except the polars, the blacks are omnivorous feeders. They eat grass

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and skunk cabbage, many kinds of berries, nuts, fruit, roots and other types of vegetation, meat, fish and carrion of various sorts, and insects such as ants and the bees that they find with honey, which they greatly enjoy. In the salmon country, where the commercial fishermen shoot them and leave them, the carcasses are soon devoured by their surviving relatives.

The average adult male black bear weighs about 300 pounds, but the large ones are much heavier. A couple of summers ago, near a popular resort in the Adirondack Mountains of New York, a big garbage dump lying close to a well-travelled highway was a magnet for all the bears from miles around. Tourists in passing cars stopped for the inevitable photographs. The Conservation Department officials knew that it would be only a question of time before somebody got hurt, so they began to live-trap and ear-tag the bears before transporting them to distant areas where they were released. In the course of this program a couple of specimens taken in box traps were so huge that it was decided to anaesthetize them and weigh them. The larger of the two weighed 695 pounds, which equals the top weight of present-day grizzlies found in Wyoming or Montana.

However, both weights and field or skin measurements of bears are essentially meaningless, weights vary with the seasons, and skins can be stretched. Therefore the official records are based on the measurements of measureless, dried-out skulls, which cannot be faked. For the world record black bear the length of the skull, 15.5 inches without the lower jaw, is added to the greatest width, 5.5, to get the official "score" of 21.0.

A sportsman who does his trophy hunting on a continental scale is mainly interested in where the specimens with the largest skulls can be taken. With black bears, unlike our other species, this question has no simple answer, for the occasional giant may come from almost any part of the range. In the official records the top 20 trophies are from no less than 11 states, Canada and Mexico. The present world record was bagged in 1933 by Ed Strabel in Wisconsin, but it is closely approached by others from Alaska, Louisiana, California, Pennsylvania, Nevada and the Queen Charlotte Is-

lands off the British Columbia coast.

Depending on where it is done and how the sportsman goes about it, hunting for a trophy black can vary from an almost impossible assignment to a downright snail. Along with their intelligence, excellent hearing and amazingly keen noses, I believe that some bears, at least, can see a lot better with their tiny eyes than many people seem to think. Furthermore, blacks in the more civilized sections have learned enough about man to do a very efficient job of taking care of themselves. A hunter who sets out to find his bear during the open season in states like Pennsylvania or New York (where the use of dogs is illegal) has only the remotest chance of ever seeing one. The best bet in the East is to look for them in September on some of the Canadian blueberry barrens. New Brunswick, for instance, has some excellent bear country where an accomplished still-hunter may get his trophy in the early part of the fall; or, in a good beechnut year, he may connect during October when the bears are up on the ridges feeding on nuts.

The easiest way to get a black bear is to hunt him in the fall along the salmon streams, on the islands of the southeastern Alaskan archipelago or on the adjacent islands off the British Columbia coast. They certainly grow as big up there as any where else, and they are so plentiful that in the course of a week or two you can hardly fail to see a good one. All you need do is to sit down where you can watch a creek in which the bears are fishing and wait for one that suits you to show up.

I tried this system—and one other—in the Queen Charlotte Islands half a dozen years ago. My companion was Jack Fraser, a crack fishing guide and keen hunter as well. We started by walking up on the mouth of a creek which was full of spawning dog salmon. After we had gone upstream for a couple of hundred yards I saw a sea gull fly off with some salmon entrails in its beak. It had been cleaning up after the bears. Forcing our way through the salal thickets to the water's edge we came to a glade near the shallow riffle where they had been fishing.

"There's no use hanging around now," I said. "It's too late in the morning. But if we are here at 4 o'clock this afternoon I'll bet that a bear will walk right into our laps."

(Continued)



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BEARS continued

"We'll see," Jack said. "But we have some time to kill. Let's try another hunting system for a while."

Then he set off on what struck me as an aimless walk through the woods. I followed. Taking care to stay away from the heavily used bear trail that led to the rifle, we crossed a low divide to a game trail that ran beside another creek and worked our way silently along it into the gentle wind. We hadn't gone a quarter of a mile before we saw a bear start across a fallen tree trunk that bridged the stream. A shot from my .30-06 tumbled him into the shallow water, close to the farther bank.

"Now I'd like to see how your theory works," Jack said after we had dragged him out and skinned him. "There's no bag limit here on bears, *you* know."

At just about 4 o'clock, beside the first creek again, I blew some air into the small rubber pillow which I carry in case there may be need to sit still in wet or snowy country. Jack settled down beside me, and for perhaps 10 minutes we were perfectly still. Then, without a sound, a fair-sized bear showed up, not more than 25 yards away. Very slowly I raised the rifle and started to squeeze off the easiest kind of a shot, with results that were equally startling to Jack, to me and to the bear. I had shifted my weight on the pillow. The air inside swooshed from one of the pillow's three air compartments into another, right in the instant of my trigger squeeze. The bullet went a yard over the bear's back. We had just a glimpse of his fat rump as he switched ends, and in a split second he was out of sight.

Regardless of where they are hunted, wild black bears are almost never dangerous to man. In fact, after spending a lot of time in many parts of their vast range I'm personally convinced that an unaccompanied black in his own environment is no more fearsome than a deer. A sow with cubs may sometimes try to bluff, making quite a show of her threats, but I've never heard of one that charged in earnest.

The really dangerous black bears are the so-called tame ones, like those that used to be chained up as tourist attractions at roadside refreshment stands and gasoline stations. The semitame black bears in our national parks are almost as dan-

gerous. They have learned to beg for handouts from tourists in passing cars. This can lead to trouble, since the bear, flashing out a taloned paw to grab a sandwich, may very well take the sandwich owner's forearm along with it.

I cannot leave the black bear without noting that he is a confirmed camp robber. The utter mess that a curious and hungry one can make in an unguarded tent or cabin must be seen to be believed. He will tear up everything in sight, including mattresses, canned foods and all sorts of containers. It is this trait, far more than his rare killing of sheep or pigs, that makes him hard to get along with in settled regions. But his greatest enemies are the western sheepherders and the commercial salmon fishermen on the northwest coast. These men commonly shoot every bear they see, in season or out, and they kill many times more of them than all the licensed sportsmen on the continent.

ALASKA BROWN BEARS

ALASKA brown bears are surely big enough to need no exaggeration of their size. As with grizzlies, though, many reports of their weight and length have been fantastic. These are the bears which have been touted for years as the world's largest carnivorous animals, but this is far from true. The warm-blooded sperm whale eats the giant squid, which certainly isn't a vegetable. Sea elephants, walrus and bull Steller's sea lions are all carnivorous, and any bear in a dwarf by comparison. So the best that can be claimed for a big Kodiak is that he is the largest carnivore that spends most of its life on land. As for his true size, a giant brown may weigh just over 1,200 pounds in May, when most of the big ones are shot, and a bit more than 1,000 pounds before he den up for the winter. Standing on his hind feet in a normal position, the very tallest will not quite reach a height of nine feet.

There is no question where the biggest of these brownies can be found. Of the 20 largest ever recorded, 15 are Kodiak Island. *Ursus arctos* grizzly specimens. The king of them all, the world-record brownie scoring 30 12 16, was collected on Kodiak Island in 1932 by Roy Lindsey of the U.S. Fish and Wildlife Service for a habitat group which is now on display in the Los Angeles County Museum. Incidentally, this is the

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only bear that Mr. Lindley had shot in the 28 years he had worked with them in the course of his job. Of the remaining five all were Peninsula bears—1 from Greece, four from the storm-swept reaches of the Alaska Peninsula and one from Unimak Island off the Peninsula's tip.

The fact that the Boone and Crockett scoring system uses skull measurements for its rankings may have something to do with the apparent superiority of the Kodiak brownies, whose skulls are quite different in shape from those of the Peninsula bears. Although the biggest Kodiak skulls may average a trifle shorter, they are definitely wider and show a higher, distinctively domed forehead that can be spotted instantly by anyone who has studied them.

Afognak Island, close to Kodiak, has bears of the Kodiak race, and smaller brownies live all along the coastal mainland and its adjacent islands, such as Montague and Hinchinbrook, down into southeastern Alaska, where Baranof Island marks the southern limit of any race ever classed in the brown bear group.

Strangely, the rules of these pug-natic beasts are so tiny that they weigh less than a pound when they are born, blind and hairless, while the mother is hibernating in her winter den. The baby bears promptly start nursing, and they grow so fast that Kodiak rules are about the size of noses when they take their first look at the outside world in late April or early May.

As with lilacs and azaleas, the easy way to shoot a brown is to watch the salmon streams in the fall. At that time of year you will see lots of bears, but the trouble is that the dense thickets which border the streams are then in leaf, and the grubs along the banks may be five or six feet high. This cover conceals the places where the bears are feeding down, making it almost impossible to pick out the biggest trophy. Moreover, the king-size males have learned, in perhaps 40 years of experience, that it is safer to do their fishing after dark, so only the sons and young males are apt to appear when there is light enough to shoot.

Therefore, the knowledgeable trophy hunter tries to be in brownie country around the middle of May, before the salmon have started to run. Just out of hibernation, the bears, big and small, will be up on the moun-

(continued)

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SPORTS ILLUSTRATED



BEARS and/or

timorids, where they are easy to spot on slopes that are often covered with snow. It is then mainly a matter of searching with binoculars and waiting for the big old males, which usually are the last to leave their dens.

This kind of hunting sounds deceptively simple. Actually, you may need to do some climbing to reach the vantage points from which your watching is done; and then you may or may not be able to get within range of your trophy. Very long shots should be avoided at all costs, and it is almost criminal to shoot at an unwounded, running bear when he is heading for a nearby jungle of alders. To follow a wounded brownie into brush like that—where you can hardly see a dozen yards even though the leaves are off—is to endanger your guide's life as well as your own. For a wounded brownie in such cover is one of the most dangerous animals on earth.

Foul weather is almost the usual thing in brown bear country, but Alaskan weather is capricious. The bears often start to move when a downpour suddenly stops; so unless the hunter is sure that the rain will last all day, he'd better be out on the job.

The first brownie that not many bears are shot in camp paid off handsomely on my Kodiak Island trip in 1955, when I hunted around Deadman's Bay with Hal Waugh. On a very nasty morning we cruised down in the boat to the rocky Horse Marine Canyon. After we had walked inland to a rain-lashed knoll, we huddled on top of it for hours, gazing the surrounding slopes. While we saw only two bears that day—ours compared to 15 others we had passed upon the three days before it—the second of them was the monster I'd been waiting for. He showed up during a brief stop in the rain. A short climb brought us as close to him as the terrain would allow—a distance of 218 yards. The telescope sight of my .30-06 was perfectly on red, and I shot from the prone position. My first 220-grain bullet broke his neck. That bear, a first-prize medal winner that scored 36½, still ranks as the biggest Alaska brownie ever recorded by a nonresident sportsman.

These great bears come in all shades from pale blond to dark brown. Most hunters seem to prefer the dark pelts. I may be biased, as my own trophy is a blond, but I always

thought the pale ones more distinctive. Regardless of color, some of the spring brownies will have badly rubbed pelts, for they start to shed their heavy fur a couple of weeks after they leave their winter quarters. But if you are lucky, and if your bear has been out for only a few days, he'll have the richest fur you can possibly get.

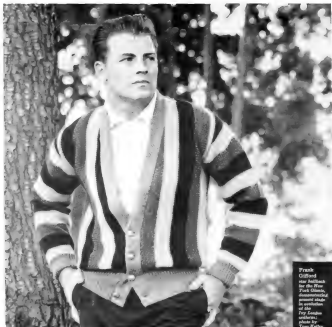
GRIZZLIES

GRIZZLIES were once thought to be the largest bears on the continent. And, indeed, back in the 19th century the California grizzlies grew to fearsome size. Long hibernation was unnecessary, since the climate insured an almost year-round supply of food; and with streams full of salmon to supplement their other feed, they had little to do in the course of a year but eat and grow. Unfortunately, nobody will ever know just how big the California grizzlies grew to be. They were almost gone at the close of this century, and that was before any accurate big-game records were kept. Today they are completely extinct, and their remains are no skull of a California specimen big enough to equal some of those from grizzlies east of the Rockies, which, of course, are a good deal smaller than the massive Alaska brownies.

Traditionally, the grizzly has been regarded as the most dangerous of American animals. When the Lewis and Clark expedition went west a century and a half ago, grizzlies chased members of the expedition into the Missouri River, prompting Captain Meriwether Lewis to write that his men would rather meet two hostile Indians than a single bear of this kind. Only a dozen years ago in the Yukon, there was no closed season on grizzlies. I was in the Yukon at that time and asked the game commissioner in Whitehorse why the bears were given no protection. He answered that no protective measures could then get popular support, because Yukon grizzlies were killing or mauling people every year. One of them had just killed an Indian boy, who was picking blueberries with his sister, and this attack, like a few others he mentioned, was certainly unprovoked.

Most people think of grizzlies in terms of the famous silverpelt, whose coats show a grizzled effect caused by silvery or yellowish tips on darker hairs. Actually, hides of this type are in the minority. Over their range as

continued



Frank Gifford star footballer for the New York Giants, demonstrating present style in vestiges of the Ivy League uniform; photo by Tom Kelley.

What happened to the button-down collar, the narrow tie? Pictured here is the new Ivy League uniform.

Note carefully the sweater; perhaps also reread the headlines and re-examine the photographs. Then walk through any college town, including the Ivy ones, and count the slacks and sweaters.

You will find that sweaters outnumber the snug three-button Madison Avenue jacket about 8 to 1 on any campus; you might notice ties and striped shirts are hidden like hoosemothers.

Who is responsible? Well, frankly, the sweater shown here. It is practically required in a complete campus wardrobe. This year, the yarn is still the same: nothing but bulky wool, but the new colors are perhaps subtler

than before. Six color combinations have been assembled; yours is surely among them.

How to make your selection? Go to your sportswear registrar at one of the better men's stores and ask to see the Jantzen "bulkies"; it's that simple. Price is exceptionally low, considering the superb workmanship and expansive wool yarn. The cardigan is \$15.95, the same sweater in a crew neck is \$13.95.

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BEARS continued

a whole, these bears are found in a bewildering assortment of colors that run from nearly white to jet black, and include gray, or almost yellow speckles, along with brown ones that may be any shade from pale to very dark. There are also all sorts of mixtures, such as dark bears with pale heads. Among the 14 bears that I once saw in a single small area in British Columbia, the colors varied from a perfect silvertip to a most astonishing mahogany brown sow, with an almost orange stripe around her middle. This fat old mamma had a pair of plain brown yearlings with her.

As the illustration on page 77 shows, there is, in shape at least, a more or less typical grizzly. This animal inhabits the interior of Alaska, as well as many Canadian areas—British Columbia, western Alberta, the Yukon territory and the Barren Grounds of the Northwest Territories. In the United States, where they once ranged from the Dakotas and the western tip of Texas to the Pacific, they are almost gone, except in the Bob Marshall Wilderness of Montana and in the protected areas of some of our national parks. A few very small grizzlies still survive in Mexico, nearly all of them in the mountains of Chihuahua.

But I must add that sportsmen who now hunt in Alaska are faced with a surprising question: Just what is a grizzly bear? This problem has been bothering the Records Committee for years, for there are areas in Alaska where it is virtually impossible to separate the true grizzlies from the smaller races of brown bears. Even the reliable index of skull shapes breaks down when you try to compare them. For only the size of the best Peninsula bear skulls distinguishes them from the smaller skulls of grizzlies found in other parts of the continent; and no scientist alive can consistently tell the skulls of some small female individuals of the Peninsula race from the big male grizzly skulls from other regions. To make matters worse, what might be called true Alaska grizzlies often wander down into brown bear country; and as they often interbreed with their bigger cousins, nobody can classify the hybrids or their variously mixed descendants.

Because the positive identifications of these intergrades is impos-

sible, the Boone and Crockett Club 25 years ago threw up its hands and classed all the browns and grizzlies together in a record list called Bears of the Genus *Ursus*. From the scientific point of view this was logical enough. But there were outraged heads from the sportsmen when, excitedly, the giant brown bears practically took over the records. The biggest grizzly shot outside the brownie range in Alaska ended up in 1894 place.

In a way, the protest of the sportsmen made sense, for no bears south of Alaska's Barren Island had ever been essentially classed as browns, and no bears from the Rocky Mountain states or from Canada could ever be mistaken for Kodiak or Peninsula brownies if the top specimens from each group were seen side by side. For these reasons, plus the fact that grizzlies have a great emotional appeal for many hunters because of their association with American history and the winning of the West, it was felt that the genuine grizzlies deserved a record list of their own.

The present way of separating the grizzly and brownie records was arrived at in 1949, after the Boone and Crockett Club appointed a special committee of trophy-minded sportsmen on which I served. I suggested that grizzly records would be meaningless unless the specimens taken in brown bear country were barred, on the principle that these animals had some brown bear ancestry which might make them bigger than any normal grizzlies. To make such a distinction would require as exact a definition as possible of the areas in which brown bears or their descendants might be found. I then suggested that our top museum experts and the best field men in the Alaska game department might be able to supply the necessary map. These suggestions were adopted and the map was drawn up.

As it stands today, this map defines the range of the browns as extending roughly 75 miles inland from the coastline between Barren Island and Unimak Island. In general, everything on the inland side of that line is a grizzly. But it must be emphasized that the 75-mile limit is not absolute. While the Records Committee knows of places where the browns don't seem to roam that far in, there are a few other regions where a big brownie may wander up a salmon stream until he is considerably

rather from the coast. Appropriate action is taken in listing these specimens, even though the sportsman who gets a huge trophy far inland naturally wants to regard the 75-mile line as rigid.

Up to now, the existing rule has worked out fairly well. Although six of the top 10 grizzly trophies are from Alaska, the world record specimen—weighing 28 10 16—was taken in 1954 by F. Nygaard, a commercial salmon fisherman, at Rivers Inlet, B.C. But the problem of keeping the record list of honest grizzlies from being invaded by brownies or their intergrades is still so complex that the International Commission may have to be dramatically revised.

POLAR BEARS

This polar bear, unlike the other three American bears. First of all, he is not really a land animal but exists mainly on the ice-park that stretches over the Arctic Sea. It is true that, in alternate years, the seas usually freeze the ice and come ashore to hibernate and have their cubs. However, the males rarely see land again after they leave it for the summer ice in the first spring of their lives.

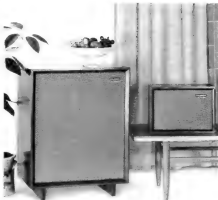
Furthermore, the males, unlike all their American cousins, normally do not hibernate. They spend the year out in the open, providing for food. Alone among American bears, the polar is almost entirely carnivorous. He lives mainly on seals, with a rare feast of caribou when he finds a dead whale or walrus. In summer he catches several kinds of sea birds by swimming up beneath them when a flock is feeding on the water.

Because the bear usually has to kill something to get a meal, I believe that when you encounter a polar bear in winter a couple of hundred miles from land, he is more likely to attack than any other animal. He attacks not because he is mad at you, he simply wants to eat you.

On the Pacific coast of the Arctic, this fearlessness usually brings little damage to the bears. They live too far north to be hunted by the commercial salmon fishermen who kill so many coastal brown bears, grizzlies and barks. It is only on the Atlantic side that they take a bad beating, for there the crews of sealing vessels shoot every polar bear they can find.

The polar has another unique quality which, as a trophy hunter, I find most fascinating of all. The biggest,

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Sir—

With the 1984 World Series victory, there is for me a vivid recollection of what took place 40 years ago. I can still see Eddie Cline, with a man on first, turn and throw a double-play ball high into center field on June 4th (the night's fourth) in spite of a tremendous attempt to catch it.

There are a pathologic number of examples of that one way. For instance, she could have joined Cohn, Spence, etc. at the time 1967-68.

In 1929 Speaker and Gaudil had a fight at first base, and if ever a man got what was owing to him it was Gaudil. He was a dirty-looking and a dirty player. He made some remarks to Speaker, and I went between him and Speaker to settle the fight, and that was the greatest fight I ever saw on a ball field. When they took Speaker off, Gaudil took a couple of days when Speaker had returned to the team, and the next day he left for good. The thing was very remarkable, was the fight, a White Sox player against the south. It seems to me that Speaker was a somewhat happy man in that battle.

Hatch, N.C.

85

I value reception to your article on the
 Pat. American (Nov. 1977) September
 11th, 1978.

To achieve our goals using the game, the article would convey an unsuccessful venture. As in any large-scale undertaking, there are always slip-ups and omissions.

Unfortunately, the opening-day ceremonies were held on a weekday afternoon when many city residents would be gone. It was a business day. Closing ceremonies were held on Labor Day, and thus the attendance was nearly twice as large.

The water polo game featuring Croatia, which defeated Serbia 10-5, was a clinic. The final water polo game is seen in a long line of people waiting to be admitted at 8 a.m. The game was due to start at 11:30.

Incidentally, to say that "even U.S. water poloists managed to do better than their counterparts in the Olympics" hardly conceals the real picture. It was a hard-fought tournament by first-class teams.

The U.S. team was made up mainly of players from the Illinois Athletic Club, a number of whom had played in the 1904 Olympic and had been coached by Sam Greller.

Baseball doesn't need prohibitions; its minor-league fix, and its amateurism, is

pan over a team that did a good job and won the gold medal.

The whole attitude was hardly respectful or encouraging to our guests, who did give us real competition in a number of events and in some cases brilliant performances, such as in men's diving, where Medco took first and third places.

The purpose of the games is to help create good international relationships. Your manner of reporting didn't aid this cause, in my opinion.

MAKING F. CONSON
Barrington, Ill.

● As we said: "The Pan American Games were a warming success in spite of sparse crowds, much confusion." —ED.

SHINING WAS HERE

Sir:

Oh, that Shi King (Shiners & Diversions), El, Sept. 14! According to "Cavaliers" account, he showed up six weeks ago at Shi Beach on the Naval Air Station here in Pensacola. We're still laughing.

JOAN K. BARTLETT

Pensacola, Fla.

VIVA, VIVA!

Sir:

Congratulations are in order for Gerald Holland's fine article, *Viva the Admiral, President's model*, El, Sept. 7.

It was both colorful and interesting. Re: Viva the Writer, Fantastic Grande!

A. HANSEN

San Rafael, Calif.

SEMANTICS OF SPORTS

Sir:

I have listened to four pregame pro football games so far this year and, in a state of quasi-inspiration induced by the pregame music of the announcers' pitches, it suddenly struck me that in none of those games has anyone kicked a field goal or a point after touchdown. Oh, no! In every case, the place kicker, according to the announcer, has "split the uprights."

In the first place, the phrase makes no sense whatsoever. If anything is split it is the crossbar, not the uprights. Besides it makes the place kicker sound like a mad-crazed idiot in "the upright-splitter." In the second place, in the absence of ruling new rules I suggest that the announcers refrain from such words as *split*, *thunder*, *thunderous*, *cracker*, *cracker* even subdivide with an *and* effect and as follows: *cracker then* *and* *cracker*.

One of these days it will be raining, and the announcer will tell us the place kicker has "split the uprights in a veritable quagmire." At that moment many hearts will not be, and a million Americans will begin discarding their picture tubes with raw and bleeding hands.

I have given up hope that they will ever stop saying "cracker then" when they themselves have made a mistake or referring to the 25 yard line as "crack a line" and so on.

GERALD CHILMAN

Washington, D.C.

The wonderful world of bourbon and the story of Maker's Mark

We have just produced a little booklet, "The Wonderful World of Bourbon," which you might like to have for your personal library of liquor lore. It discusses history and traditions of bourbon whiskey, explains some distilling industry facts you may not know about straight and blends, blends and blends of straight, ages, proofs, methods of distillation and so on.



Of course, we would be kidding you if we implied here that we do not tow our own wagon at some spot in the booklet. We do for sure; we want you to get to know the bourbon we distill and bottle in limited quantities at our small Kentucky distillery.

The whisky is Maker's Mark, a genuine old style sour mash bourbon with a character all its own. We believe sincerely you'll not find a bourbon superior to this at any age, at any price. Incidentally, it costs a little more, so you must look for it among the really good bourbons on the shelves and in select pouring spots.

There's no way in the world we can convince you of the enjoyment you'll get from Maker's Mark. The only way you and your friends will ever know is for you to try it. It may strike you just right enough for you to make it your favorite.

About the booklet, you may ask your dealer for a copy or write us direct if you like. There is no cost and no whisky salesman will call at your door.

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Pat on the Back



CHESTER F. HAMILTON

'Sharpshooters are made, not born'

The Pershing Trophy was awarded each year to the highest individual scorer in the National Trophy Rifle Team Match held at Camp Perry, Ohio. This year 152 teams competed, and when the last target was inspected individual honors went to Sergeant First Class Chester Hamilton of the Second Army team. Hamilton, a good-looking, crew-cut veteran of 10 years' Army service, used the M-1 rifle with a special small aperture sight to squeeze off a near-perfect 249 points out of a possible 250.

Clas Hamilton has always liked guns. Growing up in Altoona, Pa. he

plinked at tin cans with a .22. He joined the Army when he was 17, found himself using an M-1 near-point in Korea's Pork Chop Hill sector. On May 15, 1953 enemy machine gunners caught his patrol, sent Hamilton staggering back to his unit with severe back and arm wounds. After six months of hospitalization, he resumed marksmanship practice. Hamilton is on the range almost every day, five hours at a time, firing about 100 rounds. "Shooting is just like any other sport," he says, "it takes steady effort. There's no such thing as a born sharpshooter."

Motorboating's Race for Power

**Larger and faster engines,
and one outboard newcomer,
vie for the big 1960 market**

THIS year, as Detroit's Big Three turns to the economy car, outboard engine manufacturers are speeding off on an opposite tack. A trend toward sizable family boats has sparked a horsepower war among designers that has already resulted in one 80-hp engine, Kohler's Mercury 800, and two of 75 hp, the Johnson Sea-Horse V-75 and Evinrude's Starflite II. With ratings almost as great as those developed for the compact auto engines, the marine motors will push big family cruisers at high speeds, fast enough even for water skiing. They will also add a measure of safety in rough waters where a powerful engine can be a real boon to sailors.

An outstanding exception to the rule of power, however, is the American Marc diesel shown on the next page. Introduced in **SPORTS ILLUSTRATED** (Nov. 18, 1957), a 7½-hp version of the engine is expected to go into production in California by January 1. Its backers have high hopes for it. The motor will sell at about 30% more than gasoline engines of equivalent power, but, according to its builders, it will be more economical to operate because of the low cost of diesel fuel, the absence of serious fire hazards and low maintenance costs. Diesels use fewer parts than their more conventional cousins.

In 1960 lightness and mobility continue to be desired qualities in motors. Scott, which is keeping pace with its competitors with the 60-hp Flying Scott (*next page*), has redesigned a 7½-hp camping model weighing 34 pounds, a 25-pound reduction from the 1958 low-horsepower model.

FOR SCOTT MOTORS, TURN PAGE



EVINRUDE STARFLITE develops 75 hp, performs quickly, has automatic choke.



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FLYING SCOTT 40, which is also available in 40- and 25-hp models, provides electric starting by battery ignition and a balling device, capable of handling 300 gallons an hour, available as an extra. 1968 models also show improved fuel economy at outboard speeds, are lighter than predecessors.



AMERICAN MARU, the first U.S. diesel outboard, emphasizes economy over power. The opposed-piston motor has an carburetor and no spark plugs. It is also self-maintaining. But perhaps greatest boon to motorboating buffs will be engine's reduced fuel costs, increased safety from fire.



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